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Alex Daniels (Computer Engineering, 2016)
Software Development Intern
Full-time, 40 hours per week
Paid

What do you do as an intern at this organization?
I worked for Apple Maps on the Vector Tile side (the team who sends map data to your phone). My manager gave me a project to start with, and when I finished, I was put into the normal full-time workflow of fixing bugs and adding features.

How did you find your internship?
NSBE Convention

What do you enjoy most about your internship?
I learned a lot here. I gained experience in software and hardware. Plus, Apple makes a lot of cool stuff that I can contribute to.

What do you find challenging?
The learning curve was pretty steep. I spent the first week just sitting at my desk reading books on UI design and Objective C before I even looked at the code.

What advice would you offer to someone who wants to make the most of an internship like yours?
If you are given a project, finish it, and then make it even better than how they wanted it. Go to your teammates and ask them for suggestions. After they see the final product, they will give you more responsibility, and that really makes you feel like you’re not just a summer intern.

About the Organization
Apple
Cupertino, CA

The people at Apple don’t just create products — they create the kind of wonder that’s revolutionized entire industries. It’s the diversity of those people and their ideas that inspires the innovation that runs through everything we do, from amazing technology to industry-leading environmental efforts. Join Apple, and help us leave the world better than we found it.
Autodesk | www.autodesk.com

- Jackson Clawson (Human Factors/Engineering Psychology, Computer Science, 2017)
- UI/UX Design Intern
- Full-time, 40 hours per week
- Paid

What do you do as an intern at this organization?
I am working on a project to rethink Autodesk's learning resources—Autodesk Knowledge Network (AKN) and Autodesk University (AU)—and what their roles should be in educating users on Autodesk software. I am the fourth member of the design team. I conduct research and come up with initial concepts and prototypes that will later be presented to others in the company and tested on users.

How did you find your internship?
I am working directly for the father of someone I knew from high school. I contacted him and he happened to be looking for someone with my exact interests.

What do you enjoy most about your internship?
The internship is exactly what I think I want to do when I get out of school, so it's great to get this experience. It's incredibly exciting to be working for the company making the industry standard software for everything 3D. Autodesk also has amazing facilities and services that are available to employees, like their Pier 9 office which is full of state of the art CNC machines, laser cutters, and 3D printers.

What do you find challenging?
It's very easy for large companies (Autodesk has 7,000 employees) to become siloed and for there to not be enough communication between divisions of the company. That is a large part of the issue we're having on our project and finding a solution to that has been difficult.

What advice would you offer to someone who wants to make the most of an internship like yours?
I would suggest getting started early (Winter break or before) and contacting anyone you think could help you find an internship. It's much more likely to find a job through connections than from blindly submitting a resume somewhere.

About the Organization
Autodesk
San Francisco, CA

Autodesk, Inc., is a leader in 3D design, engineering and entertainment software. Since its introduction of AutoCAD software in 1982, Autodesk continues to develop the broadest portfolio of 3D software for global markets. Customers across the manufacturing, architecture, building, construction, and media and entertainment industries—including the last 19 Academy Award winners for Best Visual Effects—use Autodesk software to design, visualize, and simulate their ideas before they're ever built or created. From blockbuster visual effects and buildings that create their own energy, to electric cars and the batteries that power them, the work of our 3D software customers is everywhere you look.
Andre Newland (Computer Science, 2017)
Software Engineer
Full-time, 40 hours per week
Paid

What do you do as an intern at this organization?
I participated in a 10-week R&D internship program, learning about a company at the intersection of finance and technology. I heard about all aspects of the company by attending an intern speaker series. In addition, I received on-the-job training to enhance my programming skills and gain familiarity with the Bloomberg system. I performed full stack end to end development for a function on the Bloomberg Terminal and collaborated with users and developers to formulate a better workflow and design.

How did you find your internship?
I am a Bloomberg Technical Scholar, but the intern position can be found on their website.

What do you enjoy most about your internship?
The atmosphere at Bloomberg LP is one of a kind. One might not expect it, but the workplace is incredibly transparent. There is a clear sense of mission that every Bloomberg employee is working towards.

What do you find challenging?
I haven't had much experience in designing a product, so my knowledge on UI/UX design was expanded. I was placed in a position where I had to learn about different workflows to better create software that would be intuitive and easy to understand.

What advice would you offer to someone who wants to make the most of an internship like yours?
Don't be afraid to reach out and talk to those around you. An internship of any kind is an valuable experience and you should utilize all the resources you have. Your co-workers and fellow interns can give you better insight into the world and your field.

About the Organization
Bloomberg LP
New York, NY

Bloomberg technology helps drive the world’s financial markets. We provide communications platforms, data, analytics, trading platforms, news and information for the world’s leading financial market participants. We deliver through our unrivaled software, digital platforms, mobile applications and state of the art hardware developed by Bloomberg technologists for Bloomberg customers. We offer critical enterprise computing solutions for the financial services industry to help organizations deliver, decipher and manage data to meet their organizational needs and growing regulatory requirements.
Anonymous (Computer Science, 2017)
Software Engineer
Full-time, 40 hours per week
Paid

What do you do as an intern at this organization?
I was the software lead on a Kinect-based physical therapy desktop application. I participated in Agile-Sprint meetings as part of the development team and regularly gave demos to the team.

How did you find your internship?
I saw them at the Tufts Career Fair and then applied online.

What do you enjoy most about your internship?
I couldn't have imagined a better first software internship. The company culture is very friendly and supportive. I've learned a lot both from others and by the freedom I was given on my projects.

What do you find challenging?
The freedom I was given was empowering, but it could easily have become overwhelming. It was up to me to get a lot of things done and ask the right people the right questions. There was a lot of responsibility and, although not high stakes, at least some liability for doing a poor job. CRA is a relatively small company (~150 employees), so it's not at all corporate, but not as intense as a startup.

What advice would you offer to someone who wants to make the most of an internship like yours?
Interns have to do a 15-minute presentation (or so) at the end of a program, so definitely prepare for that. This seems pretty typical for most software internships. Also, enjoy the work and not just the money.

About the Organization
Charles River Analytics
Cambridge, MA

Since 1983, Charles River Analytics has been applying computational intelligence technologies to develop mission-relevant tools and solutions to transform our customers' data into knowledge that drives accurate assessment and robust decision-making. Charles River continues to grow its technology, customer base, and strategic alliances through research and development programs for the DoD and the Intelligence Community, addressing a broad spectrum of mission areas and functional domains, including: sensor and image processing, situation assessment and decision aiding, human systems integration, and cyber analytics. These efforts have resulted in a series of successful products that support continued growth in our core R&D contracting business, as well as the commercial sector. Charles River became an employee-owned company in 2012, to set the stage for the next-generation of innovation, service, and growth.
Cisco Systems | www.cisco.com

- Michael Seltzer (Computer Science, 2017)
- Software Engineer
- Full-time, 40-45 hours per week
- Paid

**What do you do as an intern at this organization?**
Agile development process -- I work as a team member producing code for new features, which are demoed each week.

**How did you find your internship?**
Tufts data science meeting

**What do you enjoy most about your internship?**
Bright people, challenging environment with lots of room for opportunity

**What do you find challenging?**
Plenty of room to make mistakes, high expectations

**What advice would you offer to someone who wants to make the most of an internship like yours?**
Don't limit looking for jobs to career fairs; attend events that interest you because you never know what other people might show up.

**About the Organization**
Cisco Systems
Boston, MA

We’re the people who made the Internet what it is today. From its early days of simple connectivity to the future of the Internet of Everything, we’ve pioneered it every step of the way. Why apply for Internship Jobs with Cisco? We’re building the best team in the business so we can continue to change the way the world works, lives, plays and learns by connecting the unconnected. Working together and sharing ideas, we innovate our customers’ businesses all over the world. Our partners and customers demand the best from their technology, and we are up for the challenge.
Epic Systems | www.epic.com

- Gabe Terrell (Computer Science, 2017)
- Software Development Intern
- Full-time, 45 hours per week
- Paid

What do you do as an intern at this organization?
Every intern is assigned an individual project for the summer. My project was to develop a new feature for their iOS application. Daily tasks consisted of meetings with my mentor and team and a lot of mobile development. Weekly tasks included design meetings, team leader check-ins, and office hour drop-ins for assistance when need be.

How did you find your internship?
I ran into their booth at the career fair, was intrigued by their company philosophy, and applied on the spot.

What do you enjoy most about your internship?
They gave me a lot of freedom to work on my project and really personalize it, but also kept me involved with design meetings and company standards so that my project can actually be deployed with a future software release. I also learned a lot about corporate development and organization.

What do you find challenging?
I was assigned to develop an iOS application with zero prior iOS experience, so I had to learn mobile development from the ground up very quickly. They gave tutorials and lessons early on in the internship, but I was expected to read into and discover a lot of it on my own.

What advice would you offer to someone who wants to make the most of an internship like yours?
This internship is as much as you make out of it. Schedule meetings with mentors, teachers, and team leaders to maximize what you learn (you are given the freedom and responsibility to schedule these). Also, explore the campus in its entirety when you have the chance. It is truly a one-of-a-kind venue!

About the Organization
Epic Systems
Verona, WI

Epic makes software for mid-size and large medical groups, hospitals and integrated healthcare organizations – working with customers that include community hospitals, academic facilities, children's organizations, safety net providers and multi-hospital systems. Our integrated software spans clinical, access and revenue functions and extends into the home.
Google | www.google.com

- Tom Wang (Computer Science, 2017)
- Software Engineering Intern
- Full-time, 40 hours per week
- Paid

What do you do as an intern at this organization?
In short: search analysis. I wrote MapReduces in Go and other data processing programs in Python to quantify the impact of Google Doodles and their potential for user engagement growth. I can’t say too much else about my project, but an average week included programming, meetings, one or two awesome tech talks, social intern events, and lots of free food.

How did you find your internship?
I applied on Google.com/jobs.

What do you enjoy most about your internship?
Everything! But most of all the intelligent people and amazing resources at Google. They surround you with enough amazing people, tools, and fun to make your job pretty easy, so work never really felt like work.

What do you find challenging?
There are dozens of internal tools to learn before you can start contributing to the code base, so the ramp up period was not super fast nor easy. My project was Data Science-related which was also totally out of my comfort zone, but ultimately very rewarding to complete.

What advice would you offer to someone who wants to make the most of an internship like yours?
If you’re at a bigger company, meet as many people as possible. Building a strong network of bright friends is the best thing you can do. Also take advantage of everything your company offers, especially learning resources.

About the Organization
Google
New York, NY

Google’s mission is to organize the world’s information and make it universally accessible and useful.
IBM | www.ibm.com

- Hayley Cohen (Computer Science, 2017)
- Software Development Intern
- Full-time, 40 hours per week
- Paid

**What do you do as an intern at this organization?**
I was part of the security team for a middleware product. My role was to develop enhancements for both the most recent release and the upcoming release of the product.

**How did you find your internship?**
I found this internship through one of my professors. I had been discussing my interests and that I was still looking for an internship, and they connected me with IBM.

**What do you enjoy most about your internship?**
Aside from the amazing atmosphere, being able to work directly with my team. I learned so much from talking with my co-workers about different options I was thinking of implementing and listening to them talk about their work.

**What do you find challenging?**
There was a huge learning curve for the product I was working on. It was sometimes frustrating when the only reason I was having issues was because I didn't know all the ins and outs of the product.

**What advice would you offer to someone who wants to make the most of an internship like yours?**
Take advantage of meeting people. Reach out to interesting people and ask to grab coffee or set up a meeting to hear about what they do. Also, don't be afraid to ask lots of questions!

**About the Organization**
IBM
Littleton, MA

IBM manufactures and markets computer hardware, middleware and software, and offers infrastructure, hosting and consulting services in areas ranging from mainframe computers to nanotechnology.
Mathurshan Vimalesvaran (Computer Science, Entrepreneurial Leadership Studies, 2016)
Software Engineer
Full-time, 40 hours per week
Paid

What do you do as an intern at this organization?
I created faster, customizable, and agnostic build-reporting web tool to replace existing outdated tool for use within the company; wrote entire backend RESTful API routes to add, update, remove, and get data; implemented basic user and administrator security; helped design DB2 database to be flexible, fast, and space conscious; and wrote Perl scripts to run inside build scripts that added and updated data utilizing APIs.

How did you find your internship?
IBM site

What do you enjoy most about your internship?
The collaboration and ability to work on a new project

What do you find challenging?
New technologies and understanding what was necessary for the project

What advice would you offer to someone who wants to make the most of an internship like yours?
Always tell the interviewer what you want to do and what you do best.

About the Organization
IBM
Littleton, MA

International Business Machines Corporation (commonly referred to as IBM) is an American multinational technology and consulting corporation, with headquarters in Armonk, New York. IBM manufactures and markets computer hardware, middleware and software, and offers infrastructure, hosting and consulting services in areas ranging from mainframe computers to nanotechnology.
What do you do as an intern at this organization?
The mobile developer apprentice program is structured such that the first two weeks involve learning the technologies, the second part of the internship is working on an internal intern project (building an app from start to finish), and the last part of the internship is being placed on a real client project.

How did you find your internship?
Jumbo Jobs

What do you enjoy most about your internship?
The culture is great! Working at a smaller company is nice because you really get to know most of your coworkers. The apprentice program is structured as well as programs at much larger companies, so you receive lots of guidance along the way.

What do you find challenging?
The learning curve was a little steep at first because I had never coded in Objective C before, but there were plenty of resources to get up to speed.

What advice would you offer to someone who wants to make the most of an internship like yours?
Study for technical interviews! Whether it's this job or another one, it is really important to review your computer science fundamentals before going into interviews.

About the Organization
Intrepid Pursuits
Cambridge, MA

As a tight-knit company, Intrepid Pursuits offers customer service tailored to your needs. Our process is composed of robust Design and Development teams, with flow of tasks and scheduling made efficient by a Project Manager. Our turn-around time is unbeatable. At Intrepid, we pride ourselves on staying on the bleeding edge of new mobile technology, resources, and design elements.
Roselle Iorillo (Cognitive and Brain Sciences, English, 2016)
Web Community Catalyst Intern
Part-time, 30 hours per week
Paid

What do you do as an intern at this organization?
I am working to increase traffic to the Intelligent Operations Exchange (IOX), a crowdsourcing platform built by the MIT Center for Collective Intelligence and Genpact, a former General Electric division and global leader in business operations. My role is to research individuals, conferences, and companies interested in or working on technologies, such as virtual reality, rapid automation, and machine learning, and invite them to participate.

How did you find your internship?
Jumbo Jobs

What do you enjoy most about your internship?
I enjoy the opportunity to learn about new and emerging technologies, as well as the chance to work with MIT graduate students and staff. Additionally, the view from my 15th-floor office of the Charles and downtown Boston is really stunning!

What do you find challenging?
There are only two people in the CCI working on this project: me and my boss. So it can be challenging to think about how much work needs to get done by the end of the summer by basically just myself.

What advice would you offer to someone who wants to make the most of an internship like yours?
Be willing to think outside the box. I searched Jumbo Jobs high and low for an entire semester before I found this, and applied on a whim. Turns out, it's incredible.

About the Organization
MIT Center for Collective Intelligence
Cambridge, MA

While people have talked about collective intelligence for decades, new communication technologies—especially the Internet—now allow huge numbers of people all over the planet to work together in new ways. The successes of systems like Google and Wikipedia suggest that the time is now ripe for many more such systems, and the goal of the MIT Center for Collective Intelligence is to understand how to take advantage of these possibilities. Our basic research question is: How can people and computers be connected so that—collectively—they act more intelligently than any person, group, or computer has ever done before?
SurveyMonkey | www.surveymonkey.com

- Andrew Stephens (Computer Science, 2016)
- Software Engineering Intern
- Full-time, 40 hours per week
- Paid

What do you do as an intern at this organization?
I built administrative tools to help better understand stored data for use in comparisons between surveys.

How did you find your internship?
Tufts Career Fair

What do you enjoy most about your internship?
SurveyMonkey has a very friendly and relaxed office culture. The projects I got to work on had a direct impact on the business and provided many opportunities to learn.

What do you find challenging?
Understanding the development process and the various technologies involved took some time, because I had never worked with anything at this scale before.

What advice would you offer to someone who wants to make the most of an internship like yours?
Learn as much as you can about the services and technology that powers the product. It will not only make you feel more comfortable about your work during the internship, but also give you knowledge you can take elsewhere.

About the Organization
SurveyMonkey
Palo Alto, CA

SurveyMonkey is the world’s most popular online survey software. We make it easier than ever to create polls and survey questionnaires for learning about anything from customer satisfaction to employee engagement.