

# Andrew Hoang

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## Education:

### **Boston University College of Engineering, Boston, MA:**

Bachelor of Science in Computer Engineering

September 2014 - (May 2018)

- GPA: 3.6/4.0

## Technical:

- **Professional Experience:** Javascript/NodeJS, Java, C++, Ruby on Rails, SQL
- **Miscellanea:** Git, Jira/Agile, CI Systems, Linux, RabbitMQ, Redis, MongoDB

## Professional Experience:

### **Coinbase Inc, San Francisco, CA. May 2017 – Present**

Software Engineer Intern, GDAX/Risk and Growth

- Developed services and applications for Coinbase's [GDAX](#), the leading cryptocurrency exchange.
- Performance-tuned entire stack in low-latency environment, including websocket feed, API, trading engine, administrator tools and database.
- Helped team scale NodeJS API capacity 4x to >200k requests/minute.
- At end of internship, switched to a remote contractor role on the internal tools team.

### **Bloomberg LP, New York, NY. May 2016 – August 2016**

Software Engineer Intern, Core Financial Applications/Regulatory Products

- Developed applications in C++ and Javascript for the Bloomberg Professional Service (Terminal).
- Added note-taking features to an application that sorts securities into different asset classes.
- Improved a classification function by changing the underlying data structure from an array to a max-heap, eliminating an unnecessary sort and improving runtime from  $O(n \log n)$  to  $O(n)$ .
- Built beginning of pipeline that archives data for 10 million+ daily security classifications.

### **Symantec Corporation, Boston, MA. January 2016 – May 2016**

Software Engineer Intern, Norton Cloud Services

- Developed high-availability APIs (in Java) to support Symantec's Norton online backup product.
- Added logging and testing functions to a Cassandra/RabbitMQ based messaging system.
- Refactored DevOps tools such as Jenkins CI, Vagrant and moved deprecated build scripts to Gradle.

## Academic:

### **Project Lead - BU Biomedical Engineering, Khalil Lab. Boston, MA. Sept. 2016 – May 2017**

- Built a platform that allows researchers to automate the control of cell cultures with python scripts.
- Implemented web client and scripting library with NodeJS and Python. Platform can scale to thousands of cell cultures and can be easily modified by users.

### **Teaching/Lab Assistant - BU Computer Engineering. Boston, MA. January 2017 – Present**

- Advise students in introductory and advanced algorithm courses (C++ and Java).

## Extracurricular:

### **Co-Founder/Fundraising Lead, BostonHacks** – BU's Student Hackathon. May 2015 – Present

- Co-founded BostonHacks, an annual [Major League Hacking](#) hackathon at BU.
- Manage \$90,000 budget and logistics for 400+ people. Personally raised over \$50,000 annually.

### **Student-Athlete** – Boston University Men's Soccer. August 2014 – Present

- Midfielder for the Boston University Terriers Men's soccer program (NCAA Division 1).
- Leading scorer for Coinbase's corporate soccer team, averaging 2.5 goals per game.