Brian Wang

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Education

Georgia Institute of Technology (Atlanta, GA)   **2014 - 2018**
- B.S. in Computer Science (expected Spring 2018)
- Concentrations: System Architecture, Networks
- **GPA 3.9**

Skills

- Languages: C/C++, SQL, Python, Swift, Java, Objective-C, Ruby
- Technologies: UIKit, XCode, Git, Bash, REST, LAMP, VisualStudio, SQL SMS, Firebase, Rails
- Other: Eagle Scout, Vim enthusiast

Professional Experience

HBK Capital Management (Dallas, TX) - Software Engineering Intern   **Summer 2016**
- Implemented and shipped automatic processing of position overrides using C++ and SQL by recreating the hedge fund's portfolio positions directly from the database in real-time.
- Eliminated human intervention, reduced opportunity for errors, and improved position accuracy uptime as position data is quickly and seamlessly updated without manual labor overhead.
- Wrote python scripts to bulk import hundreds of old HBK wiki documents (xhtml) into the new Confluence wiki system using directed graphs, BFS, regex, and a REST API python wrapper.

BitPay (Atlanta, GA) - Software Engineering Intern   **Summer 2015**
- Tested all of BitPay's LAMP e-commerce plugins, which allow shoppers to pay with bitcoin for e-commerce websites and content management systems using PHP.
- Debugged broken/outdated plugins, researched solutions, and shipped new features.
- Wrote a deployable Ruby-Sinatra developer tool to log IPNs (instant payment notifications) from BitPay's server which includes a web interface where the user can easily navigate the IPNs.

Leadership and Personal Projects

GT iOS Club - Founder and President   **Fall 2015 - Present**
- Founded the official Georgia Tech iOS Club. www.iosgatech.xyz
- Developed year-long iOS development curriculums with custom tutorials and weekly lectures.
- Managed budgets, schedules, logistics, delegated duties, corporate/club/college relations, etc.
- Tutorials Link: www.iosgatech.xyz/tutorials, Github Org Link: https://github.com/iosgatech

OKI - HackGT Top 3 Finalist   **Fall 2016**
- Lead and managed a team through building a DJ Control System using Kinect and Leap Motion that allows manipulation of music using hands. Made executive decisions and created the winning pitch.
- Used computer vision algorithms to detect the convex-concave contours of fingers in order to create our accurate custom hand gestures to control music. DevPost: http://devpost.com/software/oki

BuzzMovie - iOS Application   **Spring 2016**
- Wrote a remote-persistent iOS Movie app in swift using Rotten Tomatoes Movie API, TMDB API, and Firebase; Complete with a login system, recommendation system and ratings system.
- Github: https://github.com/deeknut/BuzzMovie-iOS