Brian Wang

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Education

Georgia Institute of Technology, Atlanta, GA (2014 - Present)

- B.S. in Computer Science (expected 2018)
- 3.78 GPA

Languages and Technologies

Proficient Languages: Objective-C, Java, Swift

Familiar Languages: Ruby, PHP, C, HTML, CSS

Technologies: LAMP (Linux, Apache2, MySQL, PHP), Sinatra, SpriteBuilder, Cocos2D, XCode, Google Maps, Firebase, Parse

Technical Experience

Software Engineering Intern (BitPay Inc.) (June 2015 - August 2015)

- Managed **more than 10 of BitPay's e-commerce plugins** and their respective QA LAMP servers, writing bug fixes, feature implementations, and releasing new updates of the plugins for php-cart and content management systems such as Magento, Virtuemart, WHMCS, WPMembership, etc. **Link to example repo: https://github.com/bitpay/wpmembership-plugin**
- Wrote a deployable **Ruby-Sinatra application** to handle IPNs from BitPay's server and log them onto a file where the user on the front-end can navigate through the IPNs, clear the log files, and resend IPNs if necessary, complete with written tests and configurable parameters. **Link to Github: https://github.com/brianwang9100/IPNLogger**

GT iOS Club Founder and President (August 2015 - Present)

- Founded the official Georgia Tech iOS Development club, designed to teach beginners game and app development using Swift.
- **Developed a year-long curriculum** to teach Swift and iOS Concepts such as Protocols, Extensions, Structures, MVC, Storyboard, etc. The curriculum also involves building clones of popular apps such as FlappyBird, 2048, and Instagram.
- Created an entire **FlappyBird Tutorial** complete with a Github tutorial, pictures, and explanations of libraries and code, all written on GitHub markdown files and hosted on a Ruby on Rails site with a markdown gem: **www.iosgatech.xyz/tutorials**
- Manage a team of 5 and give **weekly 2-hour-long lectures** to more than 50 active members.
- Organized and helped lead the **GT Appathon**, a 15-hour joint-club hackathon. Duties include managing the budget and logistics, communicating with corporate sponsors, designing the logo and fliers, mentoring students, and MCing the prize ceremony.
- **Link to GitHub Organization: https://www.github.com/iosgatech, Link to website and tutorials: www.iosgatech.xyz**

iOS Application: Scht (MHacks 2015) (January 2015)

- Developed an social networking application that allows users to track where they have pooped by adding a poop marker on the map. Each marker features a name, date, description, and a picture, stored on a fully functional Firebase + Parse backend.
- Allows users to not only view their own poop markers, but also others' markers in the area.
- Utilized Firebase API, Google Maps API, Facebook API, and Parse API.
- **Link to GitHub Page and Screenshots: brianwang.xyz/Scht/**

iOS Game: Molecule Mash (MHacks 2014) (September 2014)

- **Lead Developer** for an iOS educational interactive game to teach organic chemistry.
- **Directed** the work-flow for the 4-person project, delegating assignments, keeping the team on track, and managing the GitHub.
- Received an **honorable mention from Apple** for one of the best iOS apps at MHacks.
- Features tutorials, animations, and over 45 elements and polyatomic molecules to choose from and create.
- **Link to GitHub Page and Screenshots: brianwang.xyz/Molecule-Mash/**

iOS Game: Rhythm Slap (HackGT 2014) (September 2014)

- Developed an iOS rhythm game where you slap a cartoon character to a beat by swiping the screen in catchy combinations.
- Designed an efficient and time accurate algorithm that minimizes rhythmic lag and allows for easy-to-integrate swiping combinations and gestures.
- Complete with a tutorial, unique 8-bit sprites, and a combo point system for more variety in gameplay and difficulty.
- **Link to GitHub Page and Screenshots: brianwang.xyz/Rhythm-Slap/**

Classes

CS1331: Object Oriented Programming**, CS 1332:** Data Structures and Algorithms, **MATH2605:** Computational Linear Algebra, **CS2050** Discrete Mathematics, **CS2110:** Introduction to Computing Systems, **MATH3012:** Applied Combinatorics