

BrittanyChiu

Entry-Level Engineer

about

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<fb://bchiuable>

languages

Spanish
English
Cantonese

programming

Web Development
(JavaScript, HTML5,
CSS)
Python, C/C++, Java,
iOS Development
(Swift)

interests

Mobile Development (iOS), Network Security, Machine Learning, Web Development

education

2012-2016 **Penn State University** University Park, PA
Majoring in Computer Science (Minoring in Mathematics)
Graduating December 2016
GPA: 3.09

experience

- 09-12 2016 **CISC Research Intern.** University Park, PA
TBD
- 06-08 2016 **Software Engineer Intern.** Sterling, VA
 - Created a RESTful API in PHP for a social and geospatial-focused web/mobile application
 - Enhanced a cloud-based photo library by incorporating a functionality that associated user profiles with geospatial data
 - Utilized Amazon's web services and cloud technologies such as DynamoDB, S3, EC2
- 01-07 2015 **Software Engineering Coop.** Mayfield Heights, OH
 - Automated the software testing workflow with Jenkins-CI using Python, PowerShell, and batch
 - Reduced the testing time by a factor of 4 using virtual machines that ran unit tests concurrently
 - Documented the step-by-step process of the setup, maintenance, and debug of the refactored testing environment
 - Improved Rockwell's Studio 5000 software by implementing the ability to navigate between different views in C++
- 06-08 2014 **Intern.** Aberdeen Proving Ground, MD
 - Optimized and automated the implementation of Microsoft Lync from two weeks to only a couple of hours by using PowerShell scripts
 - Explored the workings of virtual machines, systems, and networks
 - Facilitated the implementation of a unified communication system in military vehicles*Scripted the setup for Lync's front-end, active directory, web application server, and edge server*

applications

- | | | |
|------|--|--|
| 2016 | Vie La Rosa Web Store and iOS Application
Guest list recommendation for Facebook events based on friends already attending the event. | whodidiforget.com |
| 2016 | Spotify Watch
Automatic community detection among Facebook Friends in order to validate the <i>cohesion</i> measure, creation of friend lists. | fellows-exp.com |

Leadership Roles

- | | | |
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| 2016 | WEP Facilitated Study Group – Calculus with Analytic Geometry I Tutor | |
| 2015-2016 | THON Technology Captain – Think Developer
Automatic community detection among Facebook Friends in order to validate the <i>cohesion</i> measure, creation of friend lists. | fellows-exp.com |

- Managed the fundraising management system (THINK) website using Python, PHP and MySQL
- Worked with the THINK Project Manager to complete development projects for THON's Information Network
- Refactored the THINK system by implementing a Django framework. HACKPSU - Competitor (November 2015, April 2016)
- Presented a workshop for Django
- Created a March Madness web application UNIFINYC – Web Developer (April 2015 – August 2015)
- CodePSU – Competitor (Spring 2015)
- Biomedical Engineering Society – Web Master (August 2012 – May 2014)