

JACK QIAN

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Education

Bachelor of Science in Computer Science, Bachelor of Science in Finance
University of Maryland at College Park
College of Computer, Mathematical, & Natural Sciences
Robert H. Smith School of Business
Advanced Cybersecurity Experiences for Students Honors College

Expected: May 2019
Overall GPA: 4.0

Awards and Accomplishments

Second Place in Mobile/Web app category at Capital One Carbon Hackathon	Jul 2016
Gordon Prize in Managing Cybersecurity Resources	Apr 2016
First place at Capital One Summit for Software Engineers Hackathon	Dec 2015
Capital One Software Engineer Summiteer	Dec 2015
Daemon Dash Hackathon Finalist	Sep 2015
Banneker Key full-ride scholarship from the University Of Maryland College Park	Apr 2015

Work Experience

Capital One	McLean, VA
<i>Technology Intern</i>	Jun 2016 – Aug 2016
<ul style="list-style-type: none">• Collaborated with backend team focused on developing features for the Capital One Wallet App and card controls• Integrated Jenkins jobs and wrote scripts to expand CI/CD practices• Constructed Cloud Formation Templates with Amazon Web Services and managed them with Jenkins jobs	

Activities

Terrapin Freelancers: Co-Founder, Vice President	Apr 2016 – Present
<ul style="list-style-type: none">• University of Maryland club that develops software and applications for groups on campus• Consulted with clients such as professors and campus club leadership about our services• Currently the technology team for Bitcamp, University of Maryland's hackathon, building the website, registration, backend, mobile app, and working with Bitcamp's board of directors to deliver a smooth hackathon experience	
Terrapin Hackers: Director of Finance and Hacktorials	Jan 2016 – Aug 2016
<ul style="list-style-type: none">• Provide services to hackers on campus such as transportation to hackathons and introduction to different technologies• Administered funds to each part of the organization and submitted purchase orders for materials and technology• Managed and conducted hacktorials, workshops where hackers were taught new technologies and design concepts	

Projects and Hackathons

Instagram Popularity	<ul style="list-style-type: none">• Python script that searched for posts with a specific tag and returned the popularity and overall sentiment of the tag
Splitter	<ul style="list-style-type: none">• Android app that could take a picture of a restaurant check, parse it for the ordered items, allow users to pick their dishes and automatically pay from each person's bank account• Used Parse as a database, Capital One Nessie API to simulate transactions and transfers, and an Android OCR library
FitRhythm	<ul style="list-style-type: none">• Android app that played music at certain volumes based on the user's level of physical activity
Whisp	<ul style="list-style-type: none">• Android app that allowed users to leave voice messages at a location so when other users walked by that location, they would hear what message was left over and like or dislike it to influence how often it is shown• Used Parse as a database and Google Maps API for location tracking
TapJam	<ul style="list-style-type: none">• Android app that allows users to play music in real time with each other• Uses Azure and web sockets for information transfer

Skills and Abilities

Proficient: C, Java, Windows, Android Studio, Microsoft Office, Bash, Git, HTML, CSS
Intermediate: Jenkins, Amazon Web Services, Ruby, Linux, Python, JavaScript, React, React Native, OCaml, LaTeX, Assembly Y86, Bootstrap
Languages:

- Proficient in Mandarin
- Intermediate in Spanish

Coursework

Current Courses

- CMSC 330 – Organization of Programming Languages
- CMSC 351 – Algorithms
- HACS208C – Human Actors and Cyber Attacks
- HACS208Z – Methods for Solving (and Not Solving) Puzzles
- BMGT221 – Principles of Accounting II