William Han

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EDUCATION

UNIVERSITY OF TEXAS AT AUSTIN
BS Computer Science
Business Minor
Graduation: May 2019 | Austin, TX
GPA: 3.73/4.00

LINKS

Github Username: **copperstick6**

INTERESTS

Cloud Computing, Security, Unsupervised Learning, Classification, Clustering

RELEVANT COURSEWORK

Algorithms, Cloud Computing, Compilers, Computer Architecture, Data Structures, Data Mining, Discrete Mathematics, Operating Systems, Neural Networks

ORGANIZATIONS

ISSS (InfoSec org)- President
MAD - Vice President
Freetail Hackers - Engineering Officer

SKILLS

PROFICIENT:
Java, Python 3/2.7, Git, HTML/CSS, JavaScript, ReactJS, React Native, NodeJS, SQL
Numpy, Pandas, Pytorch, Scikit-learn, AWS (DDB, EC2, ECS, RDS, S3, SWF), GCP (Deep Learning AMIs, Kubernetes, VMs)

FAMILIAR:
C, PHP, actions-on-google, flask-ask

EXPOSURE:
C++

WORK EXPERIENCE

AMAZON | Software Development Engineer
July 2019 - | Seattle, WA
- Incoming Software Development Engineer starting 7/1

AMAZON | Software Development Engineering Intern
May 2018-August 2018 | Seattle, WA
- Amazon Aurora Fabric Team
- Wrote a blacklisting mechanism for EC2 instances with faulty hardware
- Decreased hardware issue frequency by 8.5% and improved logging/debugging procedures for EC2 hardware problems

TSI | Sales Intern
December 2017 - January 2018 | Shanghai, China
- Procured low interest loans to finance a new production plant

HONEYWELL | Software Engineering Intern
May 2017 - August 2017 | Atlanta, GA
- Developed a web interface to allow managers to track freight shipments
- Utilized ReactJS/NodeJS to create page and Azure to deploy solution

RAPID DILIGENCE | Fullstack Developer
Nov 2016 – May 2017 | Austin, TX
- Built a web scraper with Java Maven to verify domain registration restriction for any given website and deployed the Maven application as a .jar file to AWS

SELECTED PROJECTS

WILLNET | January 2019
- Creating a neural network to learn/emulate my online speech patterns
- Goal is to create a bot that will respond to messages when I'm asleep/busy

SUPERTUXKART | Decemmber 2018
- Created a temporal CNN with Pytorch to play Supertuxkart using Imitation learning. Achieved a performance of 1:01 per lap

CUMIN | Freetail Hackers | August 2017-October 2018
https://github.com/hacktx/cumin
- Constructed a QR code reader and NFC card scanner app in React Native to check in users to HackTX 2017 and integrate with Pepper, our online attendee management system

ADVENT | HackRice | September 2017
Winner of the PROS: Best Product Recommendation Hack
https://github.com/copperstick6/Advent
- Created a Google Assistant application to predict and plan comprehensive travel plans for a user given user-selected constraints