Addie Guo

Looking for 2020 SWE internships

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EDUCATION

UNIVERSITY OF WATERLOO
BS in Computer Science
Expected Apr 2021
President's Scholarship of Distinction

SKILLS

Languages
C++ • Python • Java • Bash
JavaScript • HTML • CSS

Full Stack
React • Node.js • Flask
AngularJS • Redux • jQuery
MySQL • MongoDB • PostgreSQL

Infrastructure
Docker • Jenkins • Ansible
Terraform • Puppet • Thruk
Nagios • Vagrant • Meteor

AWS
EC2 • S3 • CloudWatch
Lambda • ECS • DynamoDB
EBS • CloudFormation • RDS

EXTRACURRICULARS

WOMEN IN CS (WICS)
Executive
Organized tech talks aimed at promoting diversity in CS

MATH AMBASSADOR
Executive
Designed mentorship program connecting undergraduate students

LIMELIGHT
Choreographer/Performer
Choreographed and performed dance covers of Kpop videos

COURSEWORK

Object Oriented Programming
Algorithms & Data Structures
Operating Systems
Compilers
Statistics I & II
Linear Algebra I & II

EXPERIENCE

TWITTER | Incoming Software Engineer
Jan - Apr 2020 | San Francisco, CA
- Recommendations team

SPLUNK | Site Reliability Engineer
May - Aug 2019 | San Francisco, CA
- Built Cloud stack using Puppet and Terraform to evaluate benchmarks, showing potential cost reduction by 20% by using new EC2 instance
- Improved testing framework by using Vagrant and Ansible to create virtual instances of Splunk Cloud, increasing efficiency for 30+ SREs
- Migrated Cloud stacks to integrate Thruk and Nagios for monitoring, reducing escalations by 35%

SELFMADE CO. | Software Engineer
Sep – Dec 2018 | New York, NY
- Visualized and analyzed customer growth statistics by generating graphs and tables using Chart.js, increasing customer retention rate by 45%
- Integrated with AWS CloudWatch to run daily cron jobs that ensure customer payment information stays up-to-date
- Improved merchant sales by over 30% by developing an analytics dashboard for ads and deploying it to the Shopify App Store

UNIVERSITY OF WATERLOO | Undergraduate Researcher
May – Aug 2018 | Waterloo, ON
- Collaborated with Professor Ilyas on the **HoloClean** initiative: a statistical inference engine that automatically cleans datasets
- Implemented feature that allows users to interactively judge the correctness of the engine's predictions
- Improved engine accuracy by over 10% by incorporating the users' real-time feedback

MAPLE LEAF FOODS INC. | Software Engineer
Jan – Apr 2018 | Mississauga, ON
- Integrated NLP into a chat bot using Microsoft LUIS, increasing precision by 15% and detail of the bot's responses
- Implemented two-factor authentication process using ASP.NET MVC for web app that manages food production plants

AWARDS

2019	Twitter Grace Hopper Fellowship	Twitter
2018	Women in CS GHC Scholarship	University of Waterloo
2018	Best Use of StdLib	HackPrinceton Spring 2018
2018	Most Technically Difficult	WicHacks 2018

PROJECTS

WALK DON'T RUN ⌨
HTML/CSS | jQuery | JavaScript | Node.js | Express.js
- Finds the safest and shortest routes for women walking alone at night using SpotCrime API and Dijkstra's algorithm