Amy Shao

Computer Science Student at University of Waterloo

WORK EXPERIENCE

Oct 2020
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Present

Software Developer

Ensemble || Vancouver, BC

- Optimized perceived responsiveness for front-end search function of internal management application using React and was a main contributor in maintenance and updates with upcoming release.
- Investigated solutions to increase efficiency of NestJS back-end with PostgreSQL full text search as well as Elasticsearch integration, to secure faster search with typeahead.
- Implemented ongoing changes to Ensemble's 3 official websites using Angular, React and Directus, including new cookie policy and popup.

May 2019
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Aug 2019

Technology Security Analyst

Ontario Lottery and Gaming Company || Toronto, ON

- Installed and configured 300+ AIX and Windows servers to utilize the ArcSight logger device
- Repackaged filtered security data using command line tools to increase visibility of server interactions.
- Implemented scheduled PowerShell scripts to automate record-keeping of third-party attestation documents, increasing efficiency of the Security Architecture team of 20.

PROJECTS

Jan 2021

Spotify Party

Hack the North || Real-time Collaborative Playlist Queue

- Integrated React front-end with Spotify API to implement real-time track searching, adding and playlist updating for smooth operation
- Added voting mechanism using Express.js backend and local storage to enable automatic playlist customization by the audience rather than host

Jan 2021

HedOUT

SheHacks || Gamified Goal-setting with Cryptocurrency

- Incorporated Hedera Hashgraph API with JavaScript frontend to popularize usage of Hashgraph currency as well as incentivize goals
- Collaborated with team of 4 to prototype fitness contest use case and achieved 1st out of 44 teams for Accenture Most Innovative Use of Tech for All as well as top 20 of 109 teams for the Wolfram Alpha Award

May 2020
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Aug 2020

Ppalli

The Product Initiative || Productivity Chrome Extension

- Designed and programmed a customizable 3 strike timer system using JavaScript, React, JQuery, following the Lean Product Process with a team of 6, to help users control binge-watching.
- Initiated a gamified component point system, with user profiling and peer-accountability to encourage a community of support.

CONTACT

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SKILLS

C++, C, Java
HTML, CSS
JavaScript, TypeScript
React, Angular, JQuery
NestJS, GraphQL
PostgreSQL, MySQL
PowerShell
Git, Bash
OS: Linux, MacOS, Windows
Microsoft Office suite

AWARDS

Accenture Most Innovative Use of Tech for All
SheHacks
2021

Wolfram Alpha Award
SheHacks
2021

2nd Place for Best Use of Google Cloud
DubHacks
2020

President's Scholarship of Distinction
University of Waterloo
2018