

Addie Guo

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SKILLS

LANGUAGES

C++ • Python • C • C# • Java
JavaScript • SQL • Swift

FRONTEND

HTML5&CSS3 • jQuery • Angular
React • Bootstrap • Three.js

BACKEND & DATABASE

Flask • Node.js • MongoDB
Firebase • MySQL

TOOLS & FRAMEWORKS

Git • Bash • Ruby on Rails
Django • .NET • Entity • Express.js

AZURE

Computer Vision • Cognitive Services
Language Understanding

EDUCATION

UNIVERSITY OF WATERLOO

BS IN COMPUTER SCIENCE

Expected Apr. 2021

President's Scholarship of Distinction

LINKS

addieguo.com
github.com/a-guo
linkedin.com/in/addieguo
devpost.com/aguo

COURSEWORK

Object Oriented Software Development
Computer Organization & Design
Data Structures & Data Management
Foundations of Sequential Programs
Communications in Computer Science
Statistics & Linear Algebra 2
Logic and Computation

INTERESTS

Hackathons
Sketching • Oil Painting
Ukelele & Guitar
Basketball • Soccer • Volleyball
Skating • Snowboarding
Alpine Skiing • Swimming

EXPERIENCE

RESEARCH ASSISTANT | UNIVERSITY OF WATERLOO

May 2018 – present | Waterloo, ON

- Collaborated with small team on HoloClean: A Machine Learning System for Data Enrichment

SOFTWARE DEVELOPER | MAPLE LEAF FOODS INC.

Jan. 2018 – Apr. 2018 | Mississauga, ON

- Enhanced authenticity of user experience by integrating Microsoft LUIS for NLU into a chat bot created with Microsoft Bot Framework
- Enforced stricter accessibility rights to ensure protection of data by implementing multi-step authentication process using ASP.NET MVC
- Increased flexibility, ease of data management, and cost efficiency by migrating data from SQL server to NoSQL server on Microsoft Azure
- Minimized sign-in/sign-out time by 30% by implementing computer vision for facial recognition on iOS app that manages entry & exit of visitors

PROJECTS

BUILDAR

Java | ARCore | Node.js | StdLib | MongoDB

- Android app that uses AR to redefine the at-home furniture assembly process
- Winner of the Best Use of StdLib prize at HackPrinceton Spring 2018

CHECK.MATE

C++

- Console chess game that is played against an in-built chess engine, created using Alpha-beta pruning and the Minimax algorithm

WALK DON'T RUN

HTML/CSS | jQuery | JavaScript | Node.js | Express.js

- Web app that uses SpotCrime API, weighted graphs, and Dijkstra's shortest path algorithm to find the safest path from point A to B
- Winner of the Most Technically Difficult prize at WicHacks 2018

CHESSMASTER

C++ | SFML Graphics

- Console chess game that uses SFML graphics for visual effects, played against Stockfish AI

EXO.LOVE

Python | OpenCV

- Web image scraping bot that uses OpenCV classifiers to sort group pictures through facial recognition

AWARDS

2018	Best Use of StdLib	HackPrinceton Spring 2018
2018	Most Technically Difficult	WicHacks 2018
2015	Certificate of Distinction (top 25%)	Euclid Mathematics Contest