Addie **Guo**

addieguo.com
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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 • PostgreSQL
MongoDB • Firebase • MySQL

Tools & Frameworks
Git • Bash • Apache Spark
PyTorch • 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

INCOMING SOFTWARE ENGINEERING INTERN | SelfMade Co.
Sept. 2018 – Dec. 2018 | New York City, NY
- Interested in cloud infrastructure and machine learning initiatives

RESEARCH ASSISTANT | University of Waterloo
May 2018 – present | Waterloo, ON
- Collaborated with small team on HoloClean: a statistical inference engine to impute, clean, and enrich data
- Enhanced precision of error detection by implementing interactive evaluation to show instantaneous calculations
- Improved user experience and implemented information hiding by creating a streamlined user interface using Flask, allowing clients to use HoloClean without accessing the codebase

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

AWARDS

Year	Award	Institution
2018	Women in CS GHC Scholarship	University of Waterloo
2018	Best Use of StdLib	HackPrinceton Spring 2018
2018	Most Technically Difficult	WicHacks 2018
2015	Certificate of Distinction (top 25%)	Euclid Mathematics Contest