

AMANDA GUO

 amandaguo.com
 amanda.guo@uwaterloo.ca
 linkedin.com/in/amanda-guo
 github.com/amanda-guo

Development Skills

Languages: HTML/CSS • JavaScript • TypeScript • Java • C++ • SQL • C • Python • Kotlin

Tools/Frameworks: REST • ReactJS • NodeJS • Git • Android Studio • IntelliJ • VS Code • Gradle • Docker • MongoDB • Firebase • Bash

Education

University of Waterloo

2018 - 2023

Bachelor of Computer Science, Specialization in Human-Computer Interaction (GPA: 3.9/4)

Relevant Courses: Algorithms • Data Structures • Object-Oriented Programming • Computer Security & Privacy • Application Development • User Interfaces • Human-Computer Interaction • Operating Systems • Compilers

University of Leeds (Study Abroad)

2022 - 2023

Technical Projects

Camp Management System (UW Blueprint) | Technologies: TypeScript (ExpressJS on NodeJS) • ReactJS • Firebase • Docker • MongoDB

- Developed scalable front-end user interface screens using Chakra UI, ReactJS, and Firebase for a camp page, along with back-end user and camper service REST APIs using TypeScript and MongoDB

BMR Notes | Technologies: Kotlin • XML • GitLab • Room • Spring • IntelliJ • Gradle

- Collaborated on the design, architecture and development of an Android note-taking application for older adults implemented using a Model-View-ViewModel (MVVM) design pattern

Gesture Recognizer | Technologies: Java • XML • GitLab • IntelliJ • Gradle

- Designed and implemented an Android application to algorithmically determine user-inputted shapes with 99% accuracy

Work Experience

CIBC | Software Engineer

May 2019 - Aug 2019

- Implemented a message receiver for token validation and information storage using HTML, JavaScript and Java, which reduced the latency of end-to-end testing procedures by 60%
- Deployed a new financial application launch procedure for open banking in Java, facilitating data retrieval from legacy systems for over 2 million high-value clients

Deloitte Digital | Engineering Consultant

May 2022 - Aug 2022

- Orchestrated a strategic roadmap, effectively mitigating risk factors across all development, product, and design teams for Canada's leading classifieds website, culminating in the successful migration of their legacy code to a cutting-edge Flutter mobile application within a tight 6-month timeframe, generating 5x as much user engagement

Arctic Wolf | Design Engineer

May 2021 - Aug 2021

- Led the migration of a configuration editing process using JSON and Git to a web application, reducing publishing time from half a day to 10 minutes (95% improvement) for 200+ security engineers
- Pioneered user research/usability tests involving 40+ internal staff members, driving the adoption of user-centric practices in cybersecurity

WSIB Innovation Lab | Design Engineer

Sept 2020 - Dec 2020

- Collaborated with engineers to design and ship an accessible progressive web application for COVID-19 self-assessments, reducing return-to-office procedures by 50%

Tecsys | Design Engineer

Jan 2020 - Apr 2020

- Led front-end engineers in developing and delivering a mobile user experience for key pages in the Retail Order Management System, which accounted for over 40% of customer usage on the application
- Doubled the end-user behaviour knowledge by initiating surveys, interviews and embedding Google Analytics

Awards

Ontario Remembrance (2022) | \$10,000 scholarship for academic achievement

BDO New Venture Finalist (2019) | Placed 4th out of 200+ teams and awarded a \$400 scholarship

University of Waterloo President's Scholarship of Distinction (2018) | \$5000 entrance award