

AMANDA GUO

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

Skills

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

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

Design: Figma • Sketch • Illustrator • Photoshop • XD • Balsamiq • Maze

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

Business, Arts and Humanities (GPA: 3.9/4)

Work Experience

Deloitte Digital | Product and 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 | Product Designer

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 | Product Designer

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 | Product Manager

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**

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

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

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