Jonathan Ong

Software Developer

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⌗ https://github.com/jonong1   ↖ https://jonong1.github.io

EDUCATION

Sep 2016 – Dec 2021 Edmonton, Canada	**BSc Major in Computing Science,** *University of Alberta* • Minor in Psychology (SC)

EXPERIENCE

Jan 2021 – Apr 2021 Edmonton, Canada	**Mechanical Turk Framework,** *Full-Stack Developer / Project Manager* • Collaborated with other talented engineers to create a new system framework using **Django** for conducting / managing experiments (human intelligence tasks), specifically around behavioral game theory • Developed servers / lobbies optimized for up to **200** users to play (scalable) normal and extensive form games simultaneously live • Structured our back-end **PostgreSQL** database while synchronously integrating it with Amazon Mechanical Turk API to reduce traffic / load times by **15%** • Designed a user-friendly interface using **HTML / CSS** that allowed users to manage tasks with ease, improving overall time / efficiency

PROJECTS

Jan 2021	**Googly Word Game,** (*https://github.com/JamieJiHeonKim/Googly-Word-Game*) • Created a web application using **React** and **Node.js**, targeted for ESL learners to build upon a strong English foundation • Designed an innovative and engaging interface that involves clicking / typing games with over **300+** various words • Implemented additional functionalities such as automated sound pronunciations and speed of word animations for enhanced learners
Sep 2019 – Dec 2019	**InfiniMood,** (*https://github.com/CMPUT301F19T05/InfiniMood*) • Built a mobile mood tracking application using **Android Studio** and **Java** that functions similarly to Twitter • Implemented a real-time live-tracking map system with **Google API** for all users to interact with • Utilized **Firebase** to manage / store new and existing user data

SKILLS

Technical	**Languages**	**Databases / Cloud**	**Tools**
• UI / UX Design	• JavaScript / TypeScript	• PostgreSQL / MySQL	• Android Studio
• Product Management	• HTML / CSS	• AWS	• VS Code
	• C / C++	• Firebase	• XCode
Frameworks	• Java	• Cybera	• Git
• Django / Django REST	• Python	• Redis	• Docker
• React.js / Node.js			