KONRAD STANISZEWSKI

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Engineering at Alberta

EXPERIENCE

Intelliwave Technologies
Software Development Co-op

📅 Apr – Dec 2021   ⚲ Edmonton, Alberta

- Established cross platform data flows connecting multiple REST API's and SQL and NoSql Databases.
- Created testing suite and CI/CD pipeline for complex Node.js app interfacing data between internal and external systems.
- *Utilized:* Node.js, Express, MongoDb, PostgreSQL, Jest, REST

Intuit
Software Development Co-op

📅 Jan – Sep 2020   ⚲ Edmonton, Alberta

- Maintained React/Redux codebase and fixed defects to comply with global accessibility regulations.
- Developed UI improvements for the Homepage of QuickBooks Online, accessed by over 5 million customers worldwide.
- Improved internal UI libraries to solve development limitations and reliance on deprecated libraries.

Nokia
Network Automation and DPI Co-op

📅 Apr - Aug 2019   ⚲ Ottawa, Ontario

- Created mobile device testing platform to generate network traffic and aid in regression testing.
- Reduced network testing data collection time by 95%.
- Performed regression testing and fixed bugs as well as created new tests.

PROJECTS

Android Automate
📅 Apr - Aug 2019

- Created an open source API shell around the Android ADB to allow the automation of common Android tasks.
- Incorporated the recording and replay of touch gestures, launching apps, and generating random input.
- *Utilized:* Python, ADB, AVD, Android Studio.

Bookmark (Scored 100%)
📅 Sep - Dec 2020

- Created a Kijiji-like Android app for exchanging books.
- Implemented login page, app navigation, and lazy image loading.
- *Utilized:* Android Studio, Java, GCP, Firebase, Material UI, Glide 4.0

Pathfinding Rover
📅 Nov – Dec 2018

- Designed a high precision rover capable of navigating an automatically generated pixel maze using the A* algorithm.
- Created data protocol to send instructions to rover via Bluetooth.

Francophone Community App
📅 Mar 2019 (24H Hackathon)

- Built a hybrid app using the Ionic framework for francophone businesses to reach a larger clientele.

EDUCATION

4th Year BSc. Computer Engineering, Software Co-op
GPA: 3.8/4.0
University of Alberta

📅 Sept 2017 – May 2022

SKILLS

TypeScript   JavaScript   React   HTML
CSS   Next.js   TailwindCSS   Python
SQL   MongoDB   Java   C++   FireBase
Micro-controllers   Linux   Git/Github   Bash
Android Development   React Native

EXTRA-CURRICULARS

Squabble
HackED (Received 1st Place)

📅 Nov 2019

- Created online multiplayer brawl game with 2D platforming and position interpolation.
- Launched server architecture to provide live game state to clients.
- *Utilized:* JavaScript, Node.js, Express.js, Socket.IO, Phazer 3.

Robotics Club Founder
Archbishop MacDonald Robotics Club

📅 May 2016 – Nov 2017

- Established the school's first robotics club to teach basic robotics and show the viability of a career in engineering.
- Secured 1000$ funding and assembled custom course for a group of 20+ student over the course of the year.
- *Utilized:* C, S4A, Leadership Skills, Project Planning.

Submarine Design Project Lead
APEGA Science Olympics (Received 1st Place)

📅 Jan – Apr 2017

- Lead creation of team and submarine design.
- Developed communications/control system in C++.
- Created Gantt charts to track project completion.
- *Utilized:* IC chips, AVR Micro-controller, Radio RX/TX, SBUS data protocol, Leadership Skills.

Saturday Coding Camp Volunteer
DiscoverE

📅 Sept – Dec 2018

- Taught 30+ 4th grade students fundamentals of programming using Scratch, and design using Figma.
- *Utilized:* Public Speaking Skills, Figma, Blender.