TREVOR FLANIGAN   COMPUTER ENGINEERING STUDENT

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TECHNICAL SKILLS

Frontend Development
- React / React Native
- TypeScript / JavaScript
- CSS / SCSS / HTML
- 3rd Party APIs
- Styled Components

Backend Development
- Node.js / Express
- Python / Flask / Django
- Java / C++ / C
- MongoDB / CouchDB / GraphQL
- Firebase / Heroku / AWS

Project Management
- Agile Development
- Asana / Jira / Trello
- Figma Design Interface
- Gantt Charts / Flow Diagrams
- Swagger API Documentation

EDUCATION

University of British Columbia   **April 2023**
Bachelor of Applied Science – Computer Engineering
- Dean's Honour List
- UBC Co-op: Completed 4 months of Co-op and extended for an additional 4 month term
- UBC Launchpad – Student Software Development Team
- Relevant courses: Principles of Software Construction (Java), Data Structures and Algorithms (C++)

PROFESSIONAL EXPERIENCE

SecureKey Technologies Inc., Toronto, ON   **May 2020 – December 2020**
Full Stack Developer, Research & Development
- Designed and developed MERN application to demonstrate issuance and verification of digital identification using blockchain technology
- Presented demonstration of application to CTO and board which resulted in increased focus and resource allocation to this initiative
- Published project overview with flowcharts and documentation to SecureKey knowledgebase
- Implemented Agile Project Management principles to boost development efficiency
- Contracted term was extended for an additional 4 months

Self-Employed, Vancouver, BC   **September 2015 – Present**
Technology Tutor
- Customized tutoring business specialized to meet the needs of senior clientele
- Planned client-specific lessons to demonstrate the usage of various technology
- Troubleshot and repaired hardware issues for clients

PERSONAL PROJECTS

The Bullpen   **June 2020 – Present**
A User Interface for Discovering New Music
- Prototyped and designed frontend using Figma
- Engineered full stack application using MongoDB, React, Typescript, and Node
- Communicated with Spotify's API and the application to collect and analyze user data

Kamino, University of British Columbia   **November 2019**
A Space-Themed Graph Simulation
- Generated graph with randomly pruned edges and edge weights, using Java
- Navigated randomly generated graph using Prim's, Djikstra's and DFS algorithms
- Dynamically calculated an optimal path from a start to a goal node
- Achieved a score of 5/5

Jammming / Ravenous, Codecademy   **June 2019 – August 2019**
Spotify Playlist Maker / Restaurant Finder
- Accessed Spotify's API to build and deploy a web application that allowed users to customize and upload a playlist to their account (trevjammming.surge.sh)
- Built and deployed a restaurant-finding web application using Yelp's API (trevravenous.surge.sh)

Hacker Match, nwHacks 2020   **January 2020**
A Tinder Clone for Finding Coding Partners
- Planned, designed, and developed a mobile application to help users find coding partners, using React Native over 24 hours
- Dedicated roles to teammates to improve team's development efficiency
- Created and presented a demonstration of the final product to hackathon judges

STUDENT TEAMS

Launchpad, University of British Columbia   **January 2020 – Present**
Developer @ Sync
- UBC's software engineering design team
- Developed a full stack app that allows users to watch videos synchronously over the internet using Typescript, Socket.io, Node, and YouTube's API
- Implemented chat functionality and styled components for frontend

Meetable, University of British Columbia   **June 2020 – Present**
Co-Founder & Full Stack Developer
- Multidisciplinary Student-Run Company
- Launched web app for socially connecting university students despite COVID-19
- Trained and supervised a small engineering team for frontend and backend development
- Coordinated with programming and business teams to complete an MVP by a strict deadline