Charlie Wong

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TECHNICAL SKILLS

Languages: Typescript, JavaScript, HTML/CSS/SCSS, C#, C/C++, Java, Python
Frameworks: React, jQuery, Velocity, .NET, Qt, Bootstrap, Foundation
Design/Tools/Libraries: Git, Adobe Creative Cloud, Azure DevOps, Jira, Microsoft Dynamics

EXPERIENCE

Software Developer
Jan 2025 – Apr 2025
Geotab | TypeScript, React, C#, .NET
Oakville, ON

- Developed and supported key features within MyGeotab platform leveraging React/.NET stack, ensuring functionality and reliability for userbase of 4.7M+ vehicle subscriptions
- Optimized fleet filtering functionality, improving customer ability to perform complex queries for assets
- Implemented platformwide overhaul of React headers and toolbar features
- Refactored password validation for account creation

Web Developer
Jan 2024 – Apr 2024
AGF | JavaScript, React, JQuery, Java, HTML/SCSS
Toronto, ON

- Developed and maintained AGF website components leveraging React, JQuery, and Velocity/Java tech stack, serving over 800,000+ clients
- Implemented user homepage login functionality
- Designed responsive, interactive table handling client data utilizing React
- Managed and maintained sitewide cookies with Salesforce Pardot and Google Tag Manager

Developer
Sept 2022 – Dec 2022
National Research Council | JavaScript, C++, Microsoft Dynamics
Ottawa, ON

- Developed CRM solutions for Industrial Research Assistance Program Portal, CanExport, and SONAR360 programs, reaching 8,000+ SMEs across Canada
- Implemented and modeled client-requested features
- Spearheaded QA testing and data-generation processes alongside comprehensive documentation

Software QA / Developer
Jan 2022 – Apr 2022
Monogram Creative Console | JavaScript, Typescript, Lua, QML/Qt, Adobe CC
Kitchener, ON

- Evaluated company software integrations with new releases of industry-leading editing software
- Identified 50+ software bugs with Adobe Creative Cloud integrations and new feature implementations, planned and executed software solutions
- Designed and implemented UI for utility and user customization of Orbiter Module

PROJECTS / EXTRACURRICULARS

Develop For Good – Holland Bloorview Institute
Oct 2024 – Feb 2025
Full Stack Developer | JavaScript, React, Next.js, Firebase
Toronto, ON

- Developed platform for questionnaire enabling clinicians to evaluate efficacy of patient prosthetics
- Implemented clinician/patient account authorization and management
- Integrated Stripe payment into organization registration process

Equalizer Audio Plugin
C++, JUCE

- Created high-pass and low-pass filters with user customization of quality, slope, and target frequency
- Implemented frequency response curve visualizer
- Designed DSP functionality as both standalone and VST plugin for DAWs

EDUCATION

University of Waterloo
Sept. 2021 – Present
Bachelor of Engineering Candidate, Computer Engineering

- Colonel Hugh Heasley Engineering Scholarship
- President's Scholarship of Distinction