Alex Sin Hang Wu

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SKILLS

PROGRAMMING

Proficient:
- JavaScript
- React
- Node.js
- AngularJS
- Python
- Django

Familiar With:
- C++
- Android/Java
- Objective-C
- LaTeX

TECHNOLOGIES USED
- AWS
- Electron
- OpenCV
- Android Studio
- Xcode
- Appcelerator
- Unix
- Git

LINKS

Website: alex-sh-wu.github.io
Github: github.com/alex-sh-wu
LinkedIn: ca.linkedin.com/in/alexshwu

EDUCATION

UNIVERSITY OF WATERLOO

Bachelor of Computer Science
- With Business Option
Sep 2012 - Aug 2017

HOBBIES
- Cooking
- Jogging
- Biking
- Gaming

WORK

SENIOR FULL STACK DEVELOPER | Sun Life Financial
Nov 2023 – Present | Toronto, ON
- Led a team to develop production-ready code for a OIDC login web application, integrating with multiple protected apps while maintaining 90% unit test coverage [ReactJS, NodeJS, PostgreSQL, Okta Classic Engine]
- Established expertise as a subject matter expert on Okta Classic Engine
- Created various proof-of-concept projects utilizing diverse technologies [Auth0 module, NodeJS TypeScript server, UI component showcase, CSS to Kotlin converter]
- Mentored junior developers and co-op students through having regular one-on-one sessions and conducting workshops

SENIOR FULL STACK DEVELOPER, DIGITAL | Definity Financial
Apr 2023 – Nov 2023 | Toronto, ON
- Led a team to improve the Lighthouse scores of a static site by leveraging server-side rendering [Next.js]
- Participated in project planning and feature implementation for a legacy application [AngularJS]
- Wrote indepth documentation for a code freeze

FULL STACK DEVELOPER, DIGITAL | Definity Financial
Oct 2021 – Apr 2023 | Waterloo, ON
- Led a team to improve the frontend development process and created an internal component library following TDD [React]
- Contributed at least 50% more code than other software developers of the same title
- Mentored, taught, and pair programmed on multiple projects with junior developers
- Participated in translating the existing Sonnet webapp from AngularJS to React + refactored code

FULL STACK DEVELOPER | Local Line
Nov 2017 – Sep 2021 | Waterloo, ON
- Maintained, fixed, and wrote new features in AngularJS, React, Python, Django, and PostgresSQL
- Participated in creating new endpoints that conform to the RESTful web API design standards, along with unit tests
- Worked closely with product designers, development team, product manager, and QA to create fixes and features according to design
- Identified existing tech debt and participated in refactoring and optimizing code
- Developed an automated data synchronization process that integrates with HubSpot and Zapier
- Mentored interns on best practices for AngularJS, Python, and Django

FULL STACK SOFTWARE DEVELOPER | Encircle
Sep 2016 – Dec 2016 | Waterloo, ON
- Maintained code and developed new features for the company's main product [Python, Tornado, React, CoffeeScript, Android, iOS]

SOFTWARE DEVELOPER | Voltera
Jan 2016 – Apr 2016 | Waterloo, ON
- Rewrote the printer application code to use React, Redux, and Electron