TIM GILES

SOFTWARE ENGINEER | TGILES.DEV

OBJECTIVE

Create products that users want and enjoy using.

Make applications more **accessible** by designing and implementing **modern software**.

SKILLS

Modern front-end development: **JavaScript**, **HTML5**, TypeScript, Redux, **CSS**, **SCSS**.

Automating tedious processes for both business and technical users.

Solving the difficult problems that other developers stray from.

Full-stack development: **Node**, C#, Java, **Git**.

Object-oriented, functional, and reactive programming.

Collaborator, presenter, servant-leader.

EXPERIENCE

FULL STACK ENGINEER **CHARTIQ** **APRIL 2019 - APRIL 2020**

Integrated 3rd party components using Finsemble and 3rd party **APIs and products**. Spear-headed the creation of the trial version of Finsemble by obfuscating and packaging multiple proprietary packages. Rapidly **prototyped** and **productized** numerous components for the Finsemble Ecosystem. Developed the Finsemble and Bloomberg integration. Used Node, **ES9+**, TypeScript, CSS, C#, **Webpack**, Gulp.

FULL STACK DEVELOPER **SILVERCHAIR** **JULY 2018 - APRIL 2019**

Moved from Associate developer to the only **Full Stack** developer in the company within two months. Subject matter expert on **Web Accessibility** for multiple teams. Used **JavaScript**, **HTML 5**, Razor, C#, **SCSS**, MVC, and other technologies.

SOFTWARE ENGINEER **PORT TECHNOLOGY SERVICES** **MAY 2017 - NOV. 2017**

Developed modern **front end** on applications used by the Port of Virginia. Established **Agile** workflow for company. Integrated 3rd party software with our products. Debugged all parts of our software.

GRADUATE LAB ASSISTANT **CHRISTOPHER NEWPORT UNIVERSITY** **AUG. 2016 - AUG. 2017**

Instructed students in intermediate Java and OOP concepts.

PERSONAL PROJECTS

auto-lighthouse: A command line interface for crawling one or more domains and generating accessibility and performance audits for both desktop and mobile. Uses **Node**, Commander.js, and Google Lighthouse.

HTML-To-PDF-CI: A command line interface/continuous integration tool for converting HTML documents to PDFs. Uses **Node**, Puppeteer, Express, and Inquirer.

EDUCATION

M.S. COMPUTER SCIENCE **MAY 2018** **CHRISTOPHER NEWPORT UNIVERSITY**

GPA: 3.90. **Thesis:** *Planning Footsteps of Humanoid Robots*. Created configurations for small laboratory robot for Team ViGIR's **open source** footstep planner. Fixed bugs present in the planner.

B.S. COMPUTER SCIENCE **MAY 2016** **CHRISTOPHER NEWPORT UNIVERSITY**

GPA: 3.52. *Cum Laude*. Created data visualization of large dataset. Used **JavaScript**, PHP, MySQL, Bootstrap3, and D3js.

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