Colin O'Neill

585-469-8516   colinmoneill.com   mail@colinmoneill.com
github.com/faokryn   gitlab.com/faokryn   linkedin.com/in/colinmoneill

Education

2012 - 2017

Rochester Institute of Technology

B.S. in Software Engineering
Minor in Computer Engineering
3.3 Cumulative GPA

Academic Organization: Computer Science House
Member: 2012 - 2017
Executive Board: 2015 - 2016

Work Experience

Council Rock Enterprises, Oct 2017 - Sep 2020

Software Engineer

Developed new software features and integrations for an embedded Linux platform for smart networking. Lead architect for a telemetry monitoring mobile app written with Node.js and the React Native framework.

RIT MAGIC Center, May 2016 - Aug 2016

Digital Humanities Prototype Dev

Researched platforms for the collection and display of digital humanities data, created prototypes in response to stakeholder needs, and reported comparisons.

Constant Contact, Jan 2015 - Aug 2015

Software Engineering Intern

Implemented features for a full stack SaaS application, with a focus on user interface, utilizing JavaScript and Java, with AngularJS, JQuery, and JavaServer Pages.

Conferences

Oct 2016, London, England

Mozilla Festival

Hosted a round-table discussion on software citation in research, gathered feedback from researchers and software advocates, and attended seminars and talks.

Jun 2016, Rochester, NY

New Media Consortium

Assisted the staff as a volunteer. Attended talks about the intersection of software, art, and the humanities.

Technical Skills

JavaScript, Node.js, C, C#, Bash/POSIX Scripting, PHP, Java, Lua, Python, Assembly, HTML/CSS, SQL, OpenSCAD, Git, Linux (Workstation, Headless/Server, & Embedded)

Projects

Tweet Tweaks

JavaScript

Userscript to inject quality of life modifications and customization options into the TweetDeck user interface for Twitter, utilizing modern ECMAScript syntax, Promises, and MutationObservers.

Parametric Keyboard Case

OpenSCAD, Bash, Rapid Prototyping (3D Printing)

Allows the generation of a parametrically generated 3D model for a mechanical keyboard case from a custom layout in the community-standard format generated by keyboard-layout-editor.com.

Software Citation Tools

JavaScript, Node.js

Software Engineering degree capstone project, sponsored by Mozilla Science Lab. With a student team, developed a suite of tools in Node.js to help researchers generate citations for software.

Pluginless Jekyll Tag Search

JavaScript

A front end application to allow searching Jekyll blog posts by tags in constrained environments where plugins are disabled, such as GitHub Pages.

Seminars & Training

2015

Kyle Simpson JavaScript Seminar Series

Week-long seminar series on JavaScript techniques taught by *You Don't Know JS* author Kyle Simpson.

2015

Scrum Methodology Training

Week-long training on utilizing the Scrum agile methodology for software teams.