Grant Matejka

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Master's of Computer Science @ California Polytechnic State University, San Luis Obispo

Skills

Professional: TypeScript, JavaScript, React, Full Stack Web Development
Academic: Programming Languages, Compilers, WebAssembly, Scheme

Professional Experience

Software Engineer | Boston, MA *Tulip Interfaces* (July. 2022 - Present)
- Small team to scope out and build Automated workflow service in a No Code environment
- Developed and tested flowchart No Code editor for building workflows
- Built compiler and runtime to compile custom No Code AST to JavaScript to run in a sandboxed WebAssembly environment (QuickJS)
- Design, standardize and build out public API's across the engineering org

Software Developer Apprentice | San Luis Obispo, CA - *iFixit* (Nov. 2020 - Jan 2022)
- Maintenance of legacy codebase, with active conversion to modern systems
- Full stack development across highly structured, OOP, PHP backend and JS/React/NextJs frontend
- Contributed heavily to conversion of custom built ecommerce engine to Shopify
- Agile management across hybrid team with thorough quality assurance and code review practices
- Utilized and wrote unit/integration/functional tests for continuous integration and deployment pipelines

Software Developer Intern | San Luis Obispo, CA — *The Parable Group* (Jan. 2020 - Dec 2020)
- Full stack SPA development using ASP.NET Core 3, the Blazor framework and Azure
- Was responsible for the development of production website features and continuous research
- Built an entire product offering from concept, to prototype, to launch

Volunteer Full Stack Developer | San Luis Obispo, CA — *Dr. Zachary Peterson* (Jan. - June 2018)
Served as a volunteer to build out and redesign a website for introductory a cybersecurity/computer science class. Class surveys the cybersecurity field and introduces students to concepts in an interactive alternative reality game setting.

Relevant Coursework & Accolades

Degrees: Master's of Computer Science & Software Engineering Undergraduate
Academic Accolades: Master's Degree with Distinction, Summa Cum Laude Undergraduate
Coursework: Advanced C++, Compilers (LLVM IR to WebAssembly)

Profiles, Portfolios & Projects

Website: https://grantmatejka.com
GitHub: https://github.com/GrantMatejka
LinkedIn: https://linkedin.com/in/grantmatejka
Rasm: A Racket to WebAssembly compiler I built for my thesis project. Provided initial investigations into adding a WebAssembly backend into Racket's Chez Scheme backend, and an operational compiler from fully-expanded Racket to WebAssembly. Source code and thesis is publicly available on my website and GitHub.