

Gideon Buckwalter

Front-end developer with experience in systems programming and compiler implementation

Objective

To find a job writing software for a company which values **teamwork**, **ethical production**, and **inclusion**.

Tools

- **Python 3, Rust, Javascript, C, ReasonML**
- **Vue.js, Semantic HTML, CSS**
- **Java, Spring Framework**
- **Git, Bash, man(1)**

Experience

Web Technologies

- Designed UI for algebra visualizer. Lead migration to **Vue + Webpack** from **JQuery**. (Spring 2019)
- Created example bookstore website with admin dashboard using **Spring Boot**. (Fall 2017)
- Built personal portfolio website with **Jekyll, Semantic HTML, CSS, Javascript**. (Summer 2019)

Systems Programming

- Built **Rust** CLI tool for parsing and pretty-printing **Python 3.7** dataclass reprs. (Summer 2019)
- Led team in creating socket-based file-transfer CLI app in **C**. (Spring 2018)
- Created file de-duplication CLI app in **Python**. (Summer 2017)

Programming Language Implementation

- Wrote **OCaml-to-x86_64 Assembly** compiler and type-checker in **Python 3.7**. (Spring 2019)
- Built **Prolog** query engine in **ReasonML**, published as **JS** package on **npm**. (Summer 2019)
- Implemented Lisp interpreter using **Python 3.6**. (Summer 2018)

Education

BS in Computer Science (Spring 2019)

- **Penn State Harrisburg**, GPA: 3.85

AS in Mechanical Engineering (Spring 2017)

- **Harrisburg Area Community College (HACC)**, GPA: 4.0

Contact me at gideon.buckwalter@gmail.com (preferred) or (717) 287-0081
View my full project portfolio at <https://eignnx.github.io>