

# Paul Struble

paul\_struble@berkeley.edu | (650) 554-9895 | San Mateo, CA  
paulstruble.dev linkedin.com/in/paulstruble

## Education / Skills

**University of California, Berkeley**  
*Computer Science (BA) Data Science (BA)*

May 2026  
Cumulative **GPA: 3.736**

### Technical Skills

Languages: Python • Java • JavaScript • HTML/CSS • SQL • C • RISC-V  
Development: Git • Docker • Node.js • Express.js • PostgreSQL • AWS • REST APIs • Unit Testing  
Data Science: Pandas • NumPy • Matplotlib • scikit-learn • Jupyter Notebooks

### Coursework

Data Structures • Algorithms • Databases • Data Science • Artificial Intelligence • Computer Hardware  
Discrete Math • Probability • Linear Algebra • Vector Calculus

## Experience

**Full-Stack Web Development**  
*paulstruble.dev*

July 2024

- Built a **responsive** portfolio website with **HTML/CSS/JavaScript**
- Implemented a simple **node.js RESTful API** backend with **express**
- Designed custom **JavaScript frontend** components from scratch
- Containerized with **Docker** and deployed with **AWS**

**Software Engineering**  
*bWork*

May - June 2024

- Developed a **web scraper** in **Python** to collect UC Berkeley maintenance data
- Extracted data **1.1 million** data points with **Selenium** and **BeautifulSoup4**
- Scraped and wrote **750,000+** work orders and **400,000+** requests to a **PostgreSQL** database
- Implemented **multiprocessing** to achieve **10x efficiency** gains

## Projects

### Home Price Predictor

A **linear regression** ML model to predict home prices in Cook County

- Python
- Pandas
- NumPy
- scikit-learn
- Matplotlib

### CS61KaChow

A **low-level optimization** of a basic convolution function focused on high efficiency

- Pure C
- SIMD (x86)
- Multithreading
- Multiprocessing

### Build Your Own World

A procedurally-generated, interactive, multiplayer **video game** styled after old-school RPGs and rendered in real time

- Java
- Princeton StdDraw
- OOP

### CS61CPU

A functional **RISC-V CPU** built from scratch using simulated logic gates and circuits

- Logisim Evolution
- RISC-V Assembly
- Datapath pipelining
- Modular design