

Penn Bauman

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pennbauman.com

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Professional Experience

Green America (greenamerica.org) June - August 2018, 2019

Digital Products Associate, Independent Contractor

Worked with the Drupal content management system on website layout and design, database management, and Google Maps API.

Undergraduate Teaching Assistant September 2020 - May 2021

CS 2150: Program and Data Representation

Responsible for holding one-on-one labs and office hours to assist students with the development of programming and debugging skills.

Undergraduate Research Assistant (besic.org) May 2021 - Present

Behavioral and Environmental Sensing and Intervention for Cancer

Responsible for developing and maintaining control software for custom raspberry pi based sensor packs, as well as a REST API to monitor them.

Education

University of Virginia (GPA: 3.7) 2018 - 2022 (Expected)

Bachelor of Science in Computer Science with a Minor in Physics

Related Course Work: Data Structures, Theory of Computation, Algorithms, Software Engineering, Computer Architecture, Operating Systems, Linear Algebra, Differential Equations, Probability, Modern Physics, Classical Mechanics

Skills

Public Speaking: Ability to engagingly articulate ideas both in person and through digital mediums.

Languages & Technologies: C/C++, Java, Rust, Python, Django, Flask, PHP, SQL, HTML, CSS, Sass, Bootstrap, Javascript, Typescript, Node, React, Docker, Drupal, Linux, Bash, LaTeX

Projects

 (github.com/pennbauman)

IBCM Executor: C 2020

A custom executor and debugger for the Itty Bitty Computing Machine, a language created by UVA professors to teach the basics of machine code.

DnD Dice Roller Rust 2020

Simple command line application to roll dice and generate player statistics for Dungeons and Dragons.

pennbauman.com Rust, HTML, Sass 2018 - Present

Used to develop web developments skills from design to database management.

Also included a custom spreadsheet system built to track my finances (old PHP version only).