

Penn Bauman

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pennbauman.com

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Professional Experience

Contractor

May 2019 - Present

Housemeister LLC (housemeisterva.com)

Designed and deployed company website, performed a variety of construction and renovation work, including carpentry, tiling, and basic electrical.

Undergraduate Research Assistant

May 2021 - August 2022

Behavioral and Environmental Sensing and Intervention for Cancer (besic.org)

Developed and maintained a sensor system to monitor cancer patient pain as part of a \$4 million dollar NHS research grant with the UVA nursing school.

Orchestrated redesign of setup process for project's Raspberry Pi based sensor packs, achieving full automation of driver installation, device configuration, and management API connections.

Undergraduate Teaching Assistant

September 2020 - May 2021

CS 2150: Program and Data Representation

Provided office hours to support students learning C/C++ programming and data structures. Developed own ability to read, understand, and debug other's code.

Digital Products Associate, Independent Contractor

June - August 2018, 2019

Green America (greenamerica.org)

Deployed user friendly database searching including Google Maps integration and modernized layouts for site built with Drupal content management system.

Education

University of Virginia (GPA: 3.7)

2018 - 2022

BS in Computer Science with High Distinction; Minor in Physics

Course Work Included: Data Structures, Algorithms, Machine Learning, Computer Architecture, Operating Systems, Networks, Compilers, Linear Algebra, Differential Equations, Probability, Modern Physics, Classical Mechanics

Skills

Linux System Administration: Deep knowledge of Linux systems, including server management and configurations as well as containerization and networking.

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

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

Portfolio(github.com/pennbauman)

Source code for personal projects and contributions to open source software.