

Matthew Perlick

Software Engineer

Education

- Drexel University, Philadelphia, PA
- Bachelor of Science in Computer Science, June 2022
- Academic Status: Senior
- GPA: 3.56

Professional Experience

Sub-U Systems – Software Engineer 04/21 >> Present

- Maintained and tested a custom Linux operating system distribution for use in products
- Extended the functionality of our custom Linux operating system to support new products.
- Collaborated with Electrical and Mechanical engineering teams during the creation of custom products
- Verified component compatibility and created configurations for products in development

UPenn - Web Developer 04/20 >> 12/20

- Maintained and upgraded the group website using PHP, MySQL, AngularJS, Git, and other technologies
- Began a project to redesign the group website using Figma and assisted in transitioning the project to new employees
- Developed a small interactive web application to demonstrate research findings of the group

Delaware Pilots' Association - IT Coordinator 04/20 >> 12/20

- Created a software solution for the accounting department to automatically verify vessels by universal ID number using PHP, MySQL, and cron jobs
- Developed several internal web services to manage company contacts and streamline internal communication

Personal Projects

VSCoDe Markdown Extension <http://bit.ly/perlick-vsce> 2021

- Created a vscode extension that allows a user to edit a markdown document in it's rendered form
- Leveraged VSCoDe's extension API to seamlessly integrate with features provided by vscode and other extensions
- Designed custom CI/CD processes for the vscode extension as well as a custom fork of the CKEditor5 package

Linux From Scratch 2021

- Follow the Linux From Scratch (LFS) guide to compiling a usable Linux system completely from source code
- Pursue learning objectives about cross-compiling, initialization scripts, POSIX, etc.

Personal Information

Phone

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E-mail

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LinkedIn

www.linkedin.com/in/mperlick

GitHub

github.com/Perlick

Technical Skills

Languages: PHP, SQL, JavaScript, Python, Java, C++, C, Rust, LISP, and Haskell

Shells: Bash, Ash, Command Prompt, and DOS

Project Managers: Trello, Liquid Planner, GitHub, and GigLab

Clouds: AWS, and Azure

Containers: Docker, chroot, and Linux KVM

Relevant Coursework

Computer Science

Data Structures
Adv Programming Techniques
Math. Foundations of Comp. Sci.
Machine Learning
Systems Architecture

Software Engineering

Software Verification and Validation
Software Architecture I
Software Architecture II

Math

Discrete Mathematics
Linear Algebra
Scientific Data Analysis
Calculus III

Other

Technical Communication
Business Communication