

# David Rohweder

Software Engineer



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## SKILLS

### Technical Skills

Distributed, Parallel, Hybrid Computing  
Experience with OpenMP and MPI Libraries  
Linux Terminal / DOS Programming  
C / C++ Mastery  
Git / GitHub Professional Experience  
Python and Flask Framework  
MySQL, SQLite, and MongoDB  
Calculus and Linear Algebra  
Agile and Waterfall Methodology  
HTML / CSS / JavaScript  
VB.NET Expertise

### Soft Skills

Creativity, critical, and outside the box thinking  
Collaborative team skills and adaptability to new environments

## EDUCATION

### Bachelor of Science, Computer Science

Penn State University  
2019-2023

### MIS IT-Programming

Berks Career and Technology Center  
2016-2019

### Computer Technology Degree

Reading Area Community College  
2016-2019

## ABOUT ME

Passionate and experienced computer programmer with published software and proven academic abilities. Seeking an opportunity to leverage my years of experience and inquisitiveness to create powerful solutions that will create a meaningful impact in the world whilst adapting to meet ever-changing needs.

## EXPERIENCE

### Information Technology, Jr. Systems Engineer Intern

Rosenberger North America, Akron PA, 2019-2023

Configured systems such as Manage Engine and administered current systems such as VCenter, Active Directory, and federated government O356 tenant.

### Contracted Software Developer

Expeditionary Interest Group, Leesport PA, 2018 - 2021

Architect of Penny Helper software for nonprofit organizations which mined Bitcoin and Ethereum on user's idle computer time for their respective organization.

## PROJECTS

### Ecommerce – Nittany Market

Built a Python and Flask ecommerce site from scratch, which allowed buyers to purchase products from sellers, sellers to publish products, buyers to navigate and search products, and more.

### Linux File System Driver

Developed a filesystem driver in C on a UNIX VM that interfaced between a simulator and disk controller on a server. The program utilized a LRU cache implementation for program efficiency while using several workloads for output validation.

### Cryptocurrency Miner – Penny Helper

Developed several VB.net/ DOS applications to continuously update, download, and install the Penny Helper software to make improvements to the users miner settings.