

# CHRISTOPHER PTAK

## Software Engineer

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## EDUCATION

### University of Maryland

B.S. Computer Science

📅 August 2018 - May 2022

📍 College Park, MD

🎓 GPA 3.7

#### Awards

- NASA NCSF Scholarship
- CMNS Dean's List

#### Coursework

- Network Security
- Quantum Computing
- Cryptography
- Compilers

## SKILLS

- Security analysis and development
- Machine Learning
- Linux administration
- MySQL and PostgreSQL
- Kubernetes and Docker
- Amazon Web Services (AWS)
- Python
- C and C++
- Rust
- React
- Vue.js

## CAREER OBJECTIVE

Security-oriented Software Engineer with significant Python, C, and Web development experience looking to apply my 8+ years of practical experience to improve the state of information security.

## WORK EXPERIENCE

### Software Engineer

Tenable

📅 May 2022 - current 📍 Columbia, MD

- Supported collection of vulnerability intelligence
- Implemented robust microservices and data pipelines
- Designed, implemented, and tested Vue.js frontends
- Optimized performance of PostgreSQL queries

### Junior Software Engineer

Jovian Concepts

📅 July 2020 - April 2022 📍 Hanover, MD

- Mentored two teams of interns to develop product prototypes
- Created cheap, reliable hardware nodes for ad-hoc mesh network
- Developed self-repairing mesh network algorithms

### Intern

Jovian Concepts

📅 June 2019 - July 2020 📍 Hanover, MD

- Engineered a signal processing system to identify radio signals
- Ported REDHAWK SDR software to run on Raspberry Pi
- Developed portable containerized applications using Docker

### Intern

Department of Defense

📅 June 2018 - August 2018

- Strengthened existing software systems
- Integrated new software components into existing systems

### Quality Assurance Intern

Tenable

📅 June 2017 - August 2017 📍 Columbia, MD

- Developed system to automatically test Nessus scanner plugins
- Automated virtual machine creation/provisioning
- Implemented automatic documentation