

CHRISTOPHER PTAK

Software Engineer

✉ cptak@comcast.net
☎ +1 (443) 798-8210
📍 Sackets Harbor, NY
🌐 linkedin.com/in/cptakdev
🐙 github.com/cptakdev
🌐 cptakdev.github.io

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
- Formal Methods
- 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
- Flutter
- 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

Full-Stack Software Engineer

Hidden Level

📅 May 2024 - May 2025 📍 Remote

- Developed and maintained software for reliable airspace monitoring
- Integrated third-party data sources into Hidden Level's air picture
- Designed and implemented advanced access-control mechanisms
- Augmented internal and customer-facing user interfaces

Software Engineer

Tenable

📅 May 2022 - April 2024 📍 Columbia, MD

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

Intern, Junior Software Engineer

Jovian Concepts

📅 July 2020 - April 2022 📍 Hanover, MD

- Mentored two teams of interns to develop product prototypes
- Engineered a REDHAWK-based system to identify radio signals
- Created cheap, reliable hardware nodes for ad-hoc mesh network
- Developed self-repairing mesh network algorithms

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