Josh Hebert

- 📞 (603)475-8232
- ✉ jahebert@wpi.edu
- ⚡ /joshhebert
- 🔗 /in/joshhebert

Aspiring cybersecurity professional with strong background in system programming and network protocols. Looking for internship to prepare for a position in the computer intelligence community.

Employer must be US government or a FFRDC.

Languages & Technologies:

Functional Programming

Multithreaded Design

Distributed Systems

Socket Programming

Software Security

OO Programming

Typescript

Linux

Java

Git

Ruby

Go

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Education

Worcester Polytechnic Institute
B.S. Computer Science, **3.51/4.0**, May 2017 (Expected)
M.S. Cybersecurity, May 2018 (Expected)

Significant Courses:

- Software Security Design and Analysis
- Software Security Engineering
- Distributed Computer Systems
- Advanced Computer Networks
- Cryptography and Data Security
- Design of Software Systems
- Database Systems
- Operating Systems

Relevant Work Experience

Imprivata, Software Engineering Intern   **Summers 2014-2016**
- Developed communication system for transferring authenticated user sessions from desktop computers to Android mobile devices
- Wrote Windows driver to simulate Bluetooth low-energy OTP exchange by reverse engineering firmware of BLE adapter and transport stack and replication of findings in UMDF driver.
- Integrated palm-recognition technology into SE demonstration tool (C#)
- Converted Oracle Database schema and stored procedures to Postgres

WPI, Teaching Assistant   **2015-Present**
- Provided guidance for WPI students in both the object-oriented programming and systems programming courses, some of which had over 200 students

Russell Draper & Associates, System Administration Intern   **2013**
- Managed deployment of SpamAssassin software onto company mail server
- Designed and configured new Wordpress-based company website
- Wrote regular articles for company blog

Sophos, Information Technology Intern   **2011**
- Resolved tickets from company-wide help desk
- Issues ranged from hardware repairs to software installation and upgrade

Additional Experience and Awards

Upsilon Pi Epsilon
Treasurer   **2016-Present**
President   **2014-2016**
- Served as elected official of UPE, the national computer science honor society.
- Responsible for coordinating events for the entire society of members, as well as events for the general student body of WPI, such as mock technical interviews and member inductions.
- Managed financial accounts of the society, where many transactions were over a thousand dollars. During term, society inducted over 40 new members.

WPI Collegiate Cyber Defense Competition Team
Linux Expert   **2013-2015**
- Team placed 3rd in the 2014 Northeast Collegiate Cyber Defense Competition
- Administered and defended multiple Linux servers and workstations from advanced persistent threats carried out by skilled cybersecurity professionals
- Configured and utilized indtrusion detection systems such as Snort and Artillery

Cybercorps Scholarship for Service Recipient   **2016**

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