

# Joshua M. Risinger

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**Education:** Grove City College, Grove City, PA – Class of 2020  
Bachelor of Science in Computer Science - ABET Accredited Program  
Concentration in AI and Machine Learning, Minor in Math

## **Experience:**

**Intern: UPMC Enterprises** (*Java/AngularJS/HTML/CSS*) **Summer 2019**

- Refactored existing codebase, retrofitting it with accessibility according to WCAG guidelines

**Intern: Stinger Ghaffarian Technologies | KBRWyle** (*Linux/Python*) **Summer 2018**

- Worked on applying NIST 800-53 Cyber Security guidelines to an image on Amazon Web Services
- Created a hardened image while implementing tools, such as Nessus and Splunk, to monitor and meet the controls for Cloud Computing
- Performed a penetration test on the hardened image, with the goal of testing monitoring and safe backups

**Help Desk Employee: College Help Desk** **Fall 2017-Spring 2019**

- Help students with any software or physical problems they might encounter with their computers.

**Intern: Stinger Ghaffarian Technologies** (*JS/Python/PHP/HTML/MySQL*) **Summer 2017**

- Developed a database and search engine for the Competitive Intelligence team.
- Worked extensively with AWS, AWS Lambda, MySQL, Elastic Beanstalk, and EC2 instances.

## **Coursework:**

### **AI/ML**

- Artificial Intelligence, Machine Learning, Discrete Math, Linear Algebra and Applied Probability
- Undergraduate Research (Spring 2020)

### **Upper-level Computer Science**

- Advanced Algorithms, Database Management, Data Communications, Networking, Automata Theory, Data Structures & Algorithms, Computer Architecture, Parallel Programming, Operating Systems, Computer Security, Software Engineering, Ethics, Android, Web, 3D Modeling, 2D&3D Game Design

## **Skills:**

### **Languages:**

- Primary: Java, Python, C++, C#, C, HTML, CSS, Scala
- Secondary: JavaScript, Kotlin, MATLAB

### **Tools/platforms:**

- AngularJS, Linux/bash, Android Studio, JUnit, Git, AWS Lambda, KiCad, Unity, Scrum, SQL

## **Personal projects:**

**Mechanical Keyboard:** (*Circuits, Arduino IDE, C++*)

- Designed a mechanical keyboard from the ground up. Created the PCB, soldered the components, programmed the firmware.

**Smart Mirror:** (*JavaScript, Python*)

- Built a smart mirror and integrated custom voice commands, Google Assistant and other opensource software

**Mini Arcade:** (*Java, Linux*)

- Designed and built a table-top arcade cabinet that ran off the Raspberry Pi.

**Rebuilt retro game consoles:** (*Circuits*)

- Dissected broken consoles and refurbished them back to working order.

**Campus Activities/Awards:**

- NCAA Division III Cross Country
- H.S. Cross Country & Track Team - Captain
- Clubs & IM Sports: Association for Computing Machinery, Ultimate Frisbee
- Armed Forces Communication and Electronics Association Scholarship –Spring 2016