

Adam Musciano

WEB DEVELOPER · MAKER · PYTHON ENTHUSIAST

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Education

Pennsylvania State University

B.S. IN INFORMATION SYSTEMS AND TECHNOLOGIES

State College, PA

Aug. 2015 - Exp. May 2019

Work Experience

Penetration Tester - Intern

COALFIRE

Sterling, VA

Jun. 2018 - Aug 2018

- Performed **PCI Testing** for government and private companies.
- Detected and exploited **CVE's** on contracted networks containing sensitive health and financial data.
- Practiced physical entry vulnerabilities and developed **HID Attack** payloads as a research venture.

Automation Engineer and Technician

IGLESIAS-PRIETO LABORATORIES

State College, PA & Mexico

Jan. 2016 - Jun. 2018

- Created an administrative dashboard with a **mySQL** database for metrics analysis and **predictive trend spotting**
- Engineered and automated a >\$6,000 lab for coral bleaching research using **Arduino** for low-level electronics, **Raspberry Pi** for efficient networking, and **Django** for fast and secure websites.

Lead Web Developer

RAIN REALITY

Remote

Oct. 2016 - Jan. 2018

- Led a team of 3 remote developers in a high-paced startup environment
- Engineered a 3d scene builder web app for augmented reality solutions in the classroom using **three.js** and **Unity**

Projects

Hamburglar

INDEPENDENT DEVELOPER

June 2018

Sterling, Virginia

- Recursive directory scraping tool, driven by **regex filters** to store valuable information
- Ongoing open source project with more than 130 stars on github

Pastebin Sniffer

INDEPENDENT DEVELOPER

June 2018

Sterling, Virginia

- Dynamic **OSINT** tool made to find major ip and account dumps. Scans ip addresses for identification.
- Stores all scraped information in a **mysql** database for later visualization and analysis.
- Ongoing open source project with more than 150 stars on github

AlexaMD

FRONT END DEVELOPER

Aug. 2016

Dartmouth University

- **Bootstrap** front end implementing **AJAX** requests, gives user accurate diagnosis based off vocalized symptoms
- Awarded the **Best Medical Hack** at HackDartmouth

PSU Crime Scanner

FULL STACK DEVELOPER

Apr. 2016 - Nov. 2016

Pennsylvania State University

- Community based web app that scrapes Penn State's crime log database using Python's **BeautifulSoup** library
- Developed front end in **Bootstrap**, with visualized geolocation data using a **RESTful API** and **P5.js**

Pushbullet Rat

FULL STACK DEVELOPER

Nov. 2015 - Oct. 2015

Pennsylvania State University

- Remote access program that used the **Python Pushbullet API** as a mock server to communicate commands to a host pc, bypassing Penn State's stringent internet restrictions creatively.