Adam **Musciano**

Web Developer · Maker · Script Lion

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Education

Pennsylvania State University   *State College, PA*

B.S. in Information Systems and Technologies   *Aug. 2015 - Exp. May 2019*

Work Experience

Automation Engineer and Technician   *State College, PA & Mexico*

Iglesias-Prieto Laboratories   *Jan. 2016 - Present*

- Created an admistrative dashboard with a **mySQL** database for metrics analysis and **predictive trend spotting**
- Engineered and automated a >$6,000 lab for coral bleaching research
- Recieved full paid travel to Mexico to continue research and aid as a technician

Freelance Web Developer   *Remote*

Elance & Self Employed   *Apr. 2015 - Present*

- Efficiently and reliably completed websites for clients ranging from small businesses to large volunteer organizations
- Implemented a variety of web services, including a mass texting feature using **Twilio**

Research Assistant   *State College, PA*

Carroll/Rosson IST Laboratory   *Apr. 2016 - Jan. 2017*

- Worked under the Dean of the IST College of Penn State
- Used **LaTeX** for academic papers and Photoshop for front end **UI Design**

Projects

AlexaMD   *Aug. 2016*

Front End Developer   *Dartmouth University*

- Awarded the **Best Medical Hack** at HackDartmouth
- Created a **Bootstrap** front end that implemented **AJAX** requests, giving user diagnosis based off vocalized symptoms

IST Startup Competition   *Mar. 2016 - Apr. 2016*

Marketer & Prototyper   *Pennsylvania State University*

- Placed as **finalists** in a team of 3
- **Prototyped** and **marketed** an education based web platform among 20+ teams
- focused on STEM learning with dynamic read-as-you-go illustrations

An A-MUSE-ing Game   *Apr. 2016*

Backend Developer   *Pennsylvania State University*

- Created a 2.5d virtual reality fighting game in **Unity**
- Read EEG brain activity and muscle movement using **lua** for healing, attacks, and dodging

PSU Crime Scanner   *Apr. 2016 - Nov. 2016*

Full Stack Developer   *Pennsylvania State University*

- Scraped Penn State's Crime Log using Python's **BeautifulSoup** library
- Created and managed a team of 5
- developed front end in **Bootstrap**, with visualized geolocation data using a **RESTful API**

Pushbullet Rat   *Nov. 2015 - Oct. 2015*

Full Stack Developer   *Pennsylvania State University*

- Created a 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.