

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

Automation Engineer and Technician

IGLESIAS-PRIETO LABORATORIES

State College, PA & Mexico

Jan. 2016 - Present

- 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
- Received full paid travel to Mexico to continue research and aid as a technician

Freelance Web Developer

ELANCE & SELF EMPLOYED

Remote

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

CARROLL/ROSSON IST LABORATORY

State College, PA

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

FRONT END DEVELOPER

Aug. 2016

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

MARKETER & PROTOTYPER

Mar. 2016 - Apr. 2016

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

BACKEND DEVELOPER

Apr. 2016

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

FULL STACK DEVELOPER

Apr. 2016 - Nov. 2016

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

FULL STACK DEVELOPER

Nov. 2015 - Oct. 2015

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.