

Aboudi Rai

github.com/aboudirai

Contact

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Education

The Pennsylvania State University | University Park, PA
Computer Science, B.S.
GPA: 3.810 | Aug 2019 - Dec 2021 (Expected)

Bergen County Acadmies | Hackensack, NJ
Academy for Technology and Computer Science
GPA: 3.945 (unweighted) | Sept 2015 - June 2019

Skills

Fluent in:	Proficient in:	Learning:
Python	AWS	Django
Java	Unity3D	iOS Dev
C#	Arduino	Android Dev
C++	Adobe CC	OpenCV
HTML/CSS/JS	Blender	Pytorch

Experience

Software Developer | Penn State Unmanned Aerial Systems (Sept 2019 – Present)

- Member of Software Team (Computer Vision, Classification Server)
- Machine Learning is used to recognize and identify grounded, labeled objects as part of AUVSI SUAS Competition
- Stack: Pytorch, OpenCV, Django

Social Media Editor & Videographer | OnwardState.com | State College, PA (Sept 2019 – Present)

- Produce videos, graphics, & apps for various stories, features, and events for Onward State website and social media
- Onward State social media: Facebook (112k likes), Twitter (156k followers), Instagram (39k followers)
- Content prodced with Adobe Creative Cloud

Radio Station Intern | WFDU Radio | Teaneck, NJ (Sept 2018 – May 2019)

- Assisted in the production of the main HD1 shows, hosted by Tony Smith and Jack Pignatello
- Hosted my own show on the HD3 station, Wednesdays 11AM - Noon.

Software Engineering Intern | SRS Health | Montvale, NJ (July 2016 – August 2016)

- Developed interactive dashboard to dynamically represent engineering team statistics
- Stack: AJAX, HTML, CSS, and JavaScript

Projects

Amazon Alexa Skill | Letter Linker | (Sept 2019 – Nov 2019)

- A classic road trip game brought to the comfort of your own home through this Alexa Skill
- Stack: Python ASK SDK, Alexa Developer Console, AWS Lambda & DynamoDB
- Submitted to Alexa Skills Challenge: In-Skill Purchasing
- Video Demo: bit.ly/letterlinkerdemo

Jewelry Customization App | Eli Jewels (Ramsey, NJ) | (Sept 2018 – April 2019)

- Co-developed an app for Eli Jewels to help customers customize a jewelry piece through an app
- Stack: Unity3D, Meshlab (for manipulating 3D models), WebGL
- Video Demo: bit.ly/jewelrystomization

UnlockME | PennAppsXV | January 2017

- Developed prototype for device that unlocks an analog Master Lock with a digital keypad
- Project was developed in 48 hours at University of Pennsylvania hacakathon, PennApps
- Used an Arduino Uno, stepper motor, 3D printed parts, and other electronic components
- Source code: github.com/aboudirai/UnlockME