

## Education

**Swarthmore College**, Swarthmore, PA, Candidate for Bachelor's Degree in Cognitive & Computer Science Class of 2020

*Relevant Courses:*

Data Structures & Algorithms, Digital Systems & Computer Engineering Fundamentals, Design of Digital & Embedded Systems, Computer Vision, Software Engineering, Algorithms, Probabilities, Computer Systems, Studio Art Drawing Seminar

## Projects

### [Fake Bananas](#)

September 2017 - Present

Placed Top 10 **HackMIT** out of 1250 hackers & 400 teams, Won Best AI/Hack for Social Good (**Baidu**), Most Interesting Use Of Data (**Hudson River Trading**)

- Developed with a team of four a fake news detector web app based on stance detection, NLP & Deep learning.
- Implemented the front-end web app in ReactJS and helped develop the full-stack architecture in Flask
- Researched 3 papers on state of the art stance detection models and helped set up model in TensorFlow.

### [Campfire](#)

October 2016 - Present

- Personalized social map iOS app written in Swift with real-time event information and geo-location sharing features.
- Developed and launched a web app counterpart for events on our college campus in AngularJS and worked with school staff to create a universal event list.

### [SnapLink](#)

March 2017 - Present

Won Best Overall Project at **Hack-The-Trico**

- Smart camera app that utilizes OCR, regex, and hypermedia parsing to recognize various forms of media within images.

## Experience

### **Software Engineering Intern** - Assurient, Philadelphia, PA

May 2017 - Aug 2017

Assurient is an early-stage biomedical startup focused on creating a smart wearable monitoring system for patients with chronic diseases

- Conducted preliminary foundational Machine Learning research on approaches of analyzing biometric time-series data to detect anomalies and novelties (early symptoms of worsening conditions for Congestive Heart-Failure Chronic Obstructive Pulmonary Disease)
- Worked on implementing approaches like Random Forest and SVMs using Sci-kit Learn & a simple LSTM model using TensorFlow to detect patterns in time-series data from a wearable (Fitbit)
- Helped develop a web app dashboard interface in ReactJS for health professionals to monitor the status of patients.

### **Operations Intern** - MagicBus, San Francisco, CA

Jun 2015 - Sept 2015, Jun 2016 - Aug 2016

MagicBus is an early-stage transportation tech startup (Y Combinator W16) working on a smart commuting service using dynamic & real-time traffic data

- First summer intern class
- Used real-time traffic data to optimize & dispatch 30% of all daily transit routes to drivers through a Rails API
- Processed daily customer sales and weekly driver payments
- Co-coordinated local direct marketing campaigns through targeted campaign blasts, including handling corporate inquiries
- Participated directly in customer communications and support, handling inquiries and addressing issues

## Leadership Experience

### **Co-founder & Co-president**, [LaunchDeck](#), Swarthmore College

Jan 2017 - Present

LaunchDeck is a development & entrepreneurship student organization of 160 members (college of 1600 students).

- In charge of leading the planning of instructional technical workshops (Web Dev, Machine Learning, Mobile Development), guest speaker events, and hackathons.
- Provide small project seed funding & advise student projects.
- Develop and maintain LaunchDeck website.

### **Chair of Student Outreach**, Swarthmore Student Government Organization Executive Board

May 2017 - Present

- In charge of coordinating student forums for discourse.
- Develop and maintain SGO website and social media.
- In charge of the Student Outreach Committee

## Skills & Interests

**Programming Languages:** Swift, ReactJS, Javascript, HTML, CSS, Python, C++,

**Interests/Extracurriculars:** Rock Climbing, Art, Outsiders Club (Present), Men's Club Volleyball (Present)