

# JHONATAN CRUZ

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## EDUCATION

### Drew University

Madison, NJ

B.S. Computer Science, B.A. Business Administration, 3.2/4.0

May 2019 expected

- **Selected Coursework:** Object Oriented in Java, Databases and Info Management, Systems and Architecture, Software Engineering, Data Structures, Operating Systems, Discrete Mathematics for Computer Science
- **President, Drew Engineering Club (October 2015- Present):** increased budget over 2 years by 90%
- **Chief Technology Officer, The Fund Investment Club (September 2016- Present):** manage club website and technical issues
- **Robotics Student, South Korea shortTREC Robotics Program (August 2016):** developed an autonomous self-driving RC car

## SKILLS

- **Programming Languages/Frameworks:** Python, JavaScript, Java, C, SQL, MATLAB, Shell, HTML, CSS, Git, Flask
- **Software Applications/Environments:** Microsoft Suite, UNIX/Linux, MacOS X, Windows 7/8/10

## EXPERIENCE

### Drew University Technology

Madison, NJ

IT Support Specialist

October 2015 – Present

- Helped over 1500 students/staff troubleshoot technology issues related to accounts, software or hardware
- Issues included enrollment of dual security, reimaging computers, and installation of F-Secure and Microsoft Suite

### Intel Corporation

San Jose, CA

Technical Marketing Intern

May 2017 - August 2017

- Spearheaded a project involving a team of 10 full-time employees in the implementation of VESA Compliant DisplayPort v1.4 across 6 business functions under Video & Vision BG, i.e., Legal, Automotive, Broadcasting, Medical, Corporate Marketing, PR
- Led the production of a 3 minute video describing FPGAs' role of latest connectivity standards on different industries

### Newark Venture Partners

Newark, NJ

Operations/Admin Intern

January 2017 - May 2017

- Assisted in the enrolling and administration of over 11 startups during the Spring Accelerator Class of 2017
- Worked in a team of 5 to successfully enroll and prepare logistics for over 11 tech startups for Accelerator Class 2017
- Created Python Flask app with PostgreSQL to build a social network, and better guest check in system for the office

### Drew Summer Science Institute

Madison, NJ

Raspberry Pi Intern

May 2016 – July 2016

- Programmed a Raspberry Pi with Shell Scripts to take automated photographs every 10 minutes of university campus
- Scheduled python program to convert images into a time-lapse movie after 100 images were uploaded to web server

## SELECTED PROJECTS

**Twilio NewsNow (Fall 2016):** an application that delivers the top news of a specified company

- Used python to create a Flask app that used selenium and the Twilio REST API to verify phone numbers in order to send users daily text messages about the latest news on the companies they selected

**Social Network NVP (Spring 2017):** a social network made for member of the 2017 Accelerator Class at Newark Venture Partners

- Created a social network for startups inside Newark Venture Partners to connect on a daily basis

**OpenCV PiUnlock (Spring 2017):** an program that direct a raspberry to open a door once a matching face has been detected

- Through the use of a Raspberry Pi and Pi Camera I controlled an Arduino servo motor through a python program with facial recognition, OpenCV so that if the face matched with the dataset I implemented, then it would open my dorm door

## HONORS

- **SeaPerch Robotics Coach, JerseySTEM (September 2016 - December 2016):** facilitated the development of underwater robots
- **Fellow, America Needs You (May 2016 – Present):** 2-year career development and leadership training program
- **Fellow, Code2040 (November 2016- Present):** 135 fellow selected from 1500 applicants interested in Computer Science
- **Seal of Biliteracy (May 2015):** Fluent in both English and Spanish
- **Entrepreneurial Management Achievement Program Certificate (May 2015, May 2014):** Mockup of the startup process