

# Yu Xuan Wu

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## EDUCATION

### BINGHAMTON UNIVERSITY

#### BS IN COMPUTER SCIENCE

Expected May 2019 | Vestal, NY  
Watson School of Engineering  
Cum. GPA: 3.22 / 4.0

### SUNY POLY. UNIVERSITY

#### BS IN COMPUTER SCIENCE

Aug. 2015 - May 2016 | Utica, NY  
Cum. GPA: 3.83 / 4.0  
President's Excellence List

## LINKS

Github://yuxuwu

LinkedIn://yu-xuan-wu

## COURSEWORK

### UNDERGRADUATE

Algorithm Design & Analysis  
Data Structures & Algorithms  
Operating Systems  
Automata Theory & Formal Lg.  
Adv. Computer Architecture

## SKILLS

### PROGRAMMING

Experienced:

Javascript • Python • C++ • Unix(Debian)  
Node.js • HTML/CSS • Vim

Familiar:

MongoDB • Angular2 • Express •  
Java • C • ROS •  $\LaTeX$

## EXPERIENCE

### MEDICAL LOGISTICS INC. | SOFTWARE ENGINEERING INTERN

June 2017 – Aug 2017 | Brooklyn, NY

- Introduced Python to patient filing workflow. Saved weeks of pre-processing time for patients.
- Developed *Flask* application *doc2ocr* - a conversion tool for PDFs to machine-readable files.
- Learned and used Python *requests* and *Mechanize* library to upload patient files.

### HEALTHY START HOMECARE | SOFTWARE ENGINEERING INTERN

June 2016 – Aug 2016 | Brooklyn, NY

- Automated management of Excel files with Python. Saved 2 months of data entry time annually.
- Compiled customer financial information to determine lack of equity in government backing for Chinese organizations.

## POSITIONS

### Co.R.E. STUDENT LIVING COMMUNITY | SYSTEMS ADMINISTRATOR

May 2018 – | Vestal, NY

- Managed security of server using firewalls, service audits, and weekly backups.
- Deployed websites for other student communities through *nginx* proxy.
- Leading rebranding efforts to raise awareness of CoRE's role in the campus community. In charge of developing new CoRE website and online platform to host web-based projects and technical diaries. Plan to receive input from student users.

### BINGHAMTON MARS ROVER TEAM | CORE AUTOMATION ENGINEER

Dec. 2017 – | Vestal, NY

- Learned ROS framework and OpenCV visual processing library. Developed modular applications in C++.
- Led development of image recognition and serial port communication components of the Rover Team's robot.
- Proposed teaching plan to develop talent for future generation of the team.

## AWARDS

### HackBU HACKATHON 2018

Best Fintech Hack & Best Open-Source and Humanitarian Hack

Worked with an Accounting student to develop Kibbutz in 24 hours, an online platform for **local-crowdfunding**. Gave presentation about **features** and **use cases** of the app to judges. Full-stack development using **MEAN stack**, **RESTful routing**, and **MVC architecturing**.