Jeremy Herrmann

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Education:

Bachelor of Science in Computer Science
Stony Brook University, Stony Brook, NY Graduation: May 2021
Overall GPA: 3.92/4.00

- Dean's List (Fall 2017, Spring 2018, Fall 2019)
- Academic Achievement Award

Work Experience:

Zebra Technologies, Software Engineering Intern May 2018 - Present
Holtsville, NY

- Performed full stack development for multiple android and web applications.
- Collaborated with stakeholders, managers, and software developers to analyze problems and implement solutions by developing enterprise applications.
- Developed a first aid inventory solution which allows users to monitor out of stock and expired items.
- Created an application to automate the event registration process within Zebra Technologies.

Extracurriculars:

Stony Brook Computing Society, Member September 2017 - Present
Stony Brook University, Stony Brook, NY

- Actively attend meetings alongside fellow Stony Brook students where we discuss current computer science courses, algorithms, various data structures, and projects.

FIRST Robotics Team 329, Software Engineer September 2014 - May 2017
Patchogue Medford HS, Medford, NY

- Lead the Image Processing and Recognition subdivision of a software team guided by professional engineers from Zebra Technologies.
- Developed and delivered oral presentations to distinguished members among the FIRST community, as well as new team members.

Projects:

American Environmental Solutions, Professional January 2018

- Developed software that analyzes and reformats a given excel spreadsheet saving thousands of hours worth of payroll yearly.

EyeSpy, PennApps Hackathon XVII January 2018

- Trained a neural network to recognize a human eye, iris, and pupil.
- Created an algorithm to detect blink patterns and iris direction through image processing.
- Implemented the neural network and algorithm into a two-wheel differential drive robot which can be controlled by blink patterns and eye direction.
- Placed Top 30 Hack out of 160 teams at PennApps XVII.

Quadcopter, Personal December 2017-January 2018

- Wrote software which enables two arduinos to communicate using radio frequency
- Programmed motors to respond to changes detected by an HC-SRO4 Ultrasonic Sensor and Accelerometer.

Skills:

Programming Languages: Java, JavaScript, HTML, CSS, Python, C++, XML
Experience with MySQL, JQuery, Ajax, Flask, Jinja, OpenCV, Git, Android Studio, NodeJS
Extensive work with Raspberry Pi and Arduino