

Dylan Cheung

SOFTWARE ENGINEER

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SKILLS

Programming Languages

TypeScript
JavaScript
Python
Java
C++
C

Frameworks

HTML
React
Node
CSS

Hardware Controllers

Raspberry Pi
Arduino

Other Programs

Blender
Unity

HONORS AND AWARDS

Rensselaer Leadership Award
Dean's List

ACTIVITIES

JDRF - Ride to Cure T1D
RPISEC/INTROSEC
RPI Club Lacrosse

WORK EXPERIENCE

HiMarley

Software Engineer

January 2019 - Present
Boston, MA

- Gained exposure to working in an Agile team to develop a Node.js-based AI application to facilitate communication for insurance claims via multiple communication channels.
- Converted a single availability zone application into an auto-scaling cross-region system utilizing AWS services.

Surefluence Inc.

Junior Software Engineer

Summer 2018
Troy, NY

- Collaborated on the development of Surefluence's distributed crawler platform during their MVP product stage.
- Led development using the SCRUM methodology for a scalable data-ingest service/pipeline in Node.js over Redis with highly optimized and normalized schemas in PostgreSQL.
- Produced highly-transparent analytic insights over web-sockets with a strong emphasis on the asynchronous event loop and a distributed architecture.

Rensselaer Polytechnic Institute

Undergraduate Researcher

Fall 2017
Troy, NY

- Instrumental in designing/producing a computer-vision subsystem for autonomous Micro Air Vehicle (MAV) operation.

EDUCATION

Rensselaer Polytechnic Institute

B.S. - Computer Science (Systems & Software)

2015 - 2019
3.25 GPA

Relevant Coursework

- Security Engineering
- Database Systems
- Principles of Software
- Software Design & Doc
- Operating Systems
- Computer Organization
- Programming Languages
- Data Structures

PROJECTS

Rensselaer Center for Open Source

Fullstack Developer

Fall 2018
Troy, NY

- Led efforts to migrate backend architecture to modern TypeScript with ES7 paradigms backed by high coverage unit testing.
- Streamlined frontend development through the use of intelligent loosely coupled and highly cohesive component decorators.