

Julie Kunnumpurath

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Education

Binghamton University - Watson School of Engineering

Binghamton, NY

Bachelor of Science in Computer Science

Expected May 2019

GPA: 3.77/4.00

Skills and Certifications

Programming Languages: C++, Python, Java, HTML, JavaScript, CSS

Natural Languages: English, Malayalam

Certifications: Private pilot certificate

Professional Experience

Collective Health, Inc., *Engineering Intern: Claims Portal Team*

September – December 2018 | San Francisco, CA

- Designed and developed Spring Boot REST APIs to support editing claim details within the Claims Portal
- Connected the front-end and back-end for edits using GraphQL

Google, *Software Engineering Intern: Local Ads Team*

May – August 2018 | Mountain View, CA

- Worked on a team to create a machine learning model for predicting physical store visit conversion delays
- Set up a monitoring system to monitor data and visualize model performance
- Wrote design document detailing the implementation and use of the training pipeline along with results

Google, *Engineering Practicum Intern: Ads Integrity Team*

May – August 2017 | Waterloo, ON

- Worked on a team to create a machine learning model for classifying malicious advertising entities
- Constructed a Flume (C++) pipeline to extract and filter features from production data
- Created, trained, and evaluated a neural network using Tensorflow in Python

Binghamton University, *Course Assistant*

January – December 2016 | Binghamton, NY

- Assisted professor in Programming Concepts & Applications class of over 60 students
- Graded assignments, ran a lab of 20 students, and held office hours to help students conceptualize material

Summer Research Immersion, *Research Assistant*

June – August 2016 | Binghamton, NY

- Conducted research on Hand Gesture Recognition under supervision of Dr. Shaun Canavan of the Image and Acoustic Signals Analysis team, showcased in the International Conference for Image Processing 2017
- Experimented with the Leap Motion and Microsoft Kinect while using Object Oriented C++, OpenCV, CMake, and Microsoft Visual Studio to develop features resulting in an accuracy recognition rate of over 97%

Starling Labs, *Front-End Developer*

January – May 2016 | Binghamton, NY

- Created a responsive website for potential users on a Slack app to sign up for a product
- Utilized Python, MaterializeCSS, HTML, and jQuery to create the website

Spectrum Software Solutions, Inc., *Programmer Analyst*

July – August 2015 | Kerala, India

- Developed a website for service request management to manage incoming service requests from clients
- Utilized HTML, CSS, PHP, JavaScript, and MySQL to design the website and retrieve database information

Extracurricular Activities

Binghamton Residential Life, *Resident Assistant*

August 2017 – Present | Binghamton, NY

- Collaborates with fellow resident assistants to mentor students on personal and academic concerns
- Organizes, promotes, and executes events to foster a fun, safe, and inclusive community for all students
- Served as the resident assistant for the Entrepreneurship Learning Community which focuses on fostering entrepreneurs and leaders in business during the 2017-2018 academic year

Watson Advising, *Watson Peer Advisor*

August 2017 – Present | Binghamton, NY

- Advises students in the Watson School of Engineering to ensure they are on track for graduation and are taking advantage of opportunities that will help them further develop
- Works alongside staff to ensure all paperwork is properly processed and student privacy is protected

Alpha Phi Omega Co-ed Service Fraternity, *President*

March 2016 – Present | Binghamton, NY

- Engages in service projects such as animal shelters, park clean ups, soup kitchens, and Girl Scouts mentoring
- Coordinated service opportunities for the chapter, like Miles for Matias, an annual walk that raises over \$3,000 for Pediatric Multiple Sclerosis research and patient care as the Vice President of Service in 2017

Road Map Student Task Force, *Intern*

January 2016 – May 2018 | Binghamton, NY

- Deliberated with University President and interns on ideas that align with goals of the Road Map Steering Committee
- Plans and Implements events to increase student and faculty engagement outside of the classroom setting

Binghamton Women in Tech, *Founding Member*

January 2016 – Present | Binghamton, NY

- Founded Binghamton WiT to support women interested in computer science and related fields
- Organizes events like Baby It's Code Inside, an event that introduces youth in the area to programming and robotics