

Julie Kunnumpurath

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Education

Binghamton University - Watson School of Engineering

Bachelor of Science in Computer Science

GPA: 3.77/4.00

Dean's List: Fall 2015 – Fall 2017

Binghamton, NY

Expected May 2019

Skills and Certifications

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

Natural Languages: English, Malayalam

Certifications: Private pilot certificate

Professional Experience

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 over 60 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
- Serves as the resident assistant for the Entrepreneurship Learning Community which focuses on fostering entrepreneurs and leaders in business

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

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

Alpha Phi Omega Service Fraternity, Vice President of Service

March 2016 – Present | Binghamton, NY

- Engages in service projects such as animal shelters, park clean ups, soup kitchens, and Girl Scouts mentoring
- Coordinates 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

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