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: 3.83/4.00
Dean's List: Fall 2015 – Fall 2017

Skills and Certifications

Programming Languages: C++, Python, Java, HTML, JavaScript, CSS
Natural Languages: English, Malayalam
Certifications: Private pilot certificate

Professional Experience

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 – Present | Binghamton, NY
- Deliberates with the University President and fellow interns on ideas that align with University goals set by 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 to promote professionalism and mentoring, like Baby It's Code Inside, an event that introduces youth in the Binghamton community to basics of programming and robotics