

# Julie Kunnumpurath

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## Education

**Binghamton University** - Watson School of Engineering

*Bachelor of Science in Computer Science*

GPA: 3.88/4.00

Dean's List: Fall 2015 – Spring 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

Waterloo, ON

Engineering Practicum Intern: Ads Integrity Team

May – August 2017

- Worked with 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

Binghamton, NY

Course Assistant

January – December 2016

- Course assistant for Programming Concepts & Applications for a class of over 60 students
- Graded assignments and labs, ran a lab section of 20 students and held office hours to help students understand concepts for the labs and assignments

### Summer Research Immersion – Image and Acoustic Signals Analysis

Binghamton, NY

Research Assistant

June – August 2016

- Conducted research on Hand Gesture Recognition under the supervision of Dr. Shaun Canavan
- Experimented with the Leap Motion and Microsoft Kinect along with Object Oriented C++, OpenCV, CMake, and Microsoft Visual Studio to develop features to which resulted in an accuracy recognition rate of over 97%

### Starling Labs

Binghamton, NY

Front-End Developer

January – May 2016

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

### Spectrum Software Solutions, Inc.

Kerala, India

Programmer Analyst

July – August 2015

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

## Extracurricular Activities

### Binghamton Residential Life

Binghamton, NY

Resident Assistant

August 2017 – Present

- Work alongside over 50 other resident assistants to mentor undergraduate students on personal and academic concerns
- Organize, promote, and execute events to foster fun, safe, and inclusive community for all students

### Alpha Phi Omega Community Service Fraternity

Binghamton, NY

Vice President of Service

March 2016 – Present

- Engage in community service projects ranging from volunteering at animal shelters to park clean up and soup kitchens to working with kids
- Coordinate service opportunities for the chapter as well as plan and execute Miles for Matias, an annual walk that raises over \$2,500 for Pediatric Multiple Sclerosis research

### HackBU

Binghamton, NY

Member

September 2015 – Present

- Participate in weekly coding workshops to learn about different aspects of Computer Science
- Compete in local coding competitions