

# LILY KUONG

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## EDUCATION

### UNIVERSITY OF SOUTHERN CALIFORNIA

MS in Computer Science

Expected May 2019 | Los Angeles, CA

Cum. GPA: 3.7 / 4.0

### BINGHAMTON UNIVERSITY

BS in Electrical Engineering

May 2016 | Binghamton, NY

Summa Cum Laude

Cum. GPA: 3.86 / 4.0

## RELEVANT COURSEWORK

### GRADUATE

Introduction to Computer Networks

Java and C++ Programming

### UNDERGRADUATE

Network Computer Security

Digital Logic Design

C and C++ programming

## LINKS

Github: [github.com/lilykuong](https://github.com/lilykuong)

Website: [lilykuong.com](http://lilykuong.com)

LinkedIn: [linkedin.com/in/lily-kuong](https://www.linkedin.com/in/lily-kuong)

## SKILLS

### PROGRAMMING LANGUAGES:

Proficient in Java and C++

Prior Experience in C, Python, and MATLAB

### WEB DEVELOPMENT:

Knowledgeable in HTML, CSS, JavaScript, and jQuery

### SOFTWARE:

IntelliJ, AppCode, Xcode, Microsoft Project, Visio, Linux

## AWARDS

2016	SUNY Chancellor's Award for Undergraduate Excellence
2016, 2015	President's Award for Undergraduate Excellence
2015	BU Excellence
All Semesters	Dean's List

## EXPERIENCE

### BAE SYSTEMS | Hardware Engineer

June 2017 – Present | Wayne, NJ

Security Clearance: Secret in Process

- Participate in cross functional design reviews and address functionality and integration concerns
- Test, design, and debug circuit boards for functionality and quality assurance

### BAE SYSTEMS | Electromagnetic Interference (EMI) Engineer

July 2016 – June 2017 | Binghamton, NY

- Automated a lightning test procedure by designing and developing an application via MATLAB which led to a 10% reduction in costs for certification
- Developed training materials and requirement documents for lightning application
- Developed and revised EMI Qualification test procedures and test reports
- Investigated and implemented solutions based on customer and team comments
- Communicated progress, issues, and updates to program managers, program leads, and customers
- Met cost, schedule, technical, and process objectives for programs

## PROJECT EXPERIENCE

### MAZE SOLVER (Individual Project)

- Developed a Graphics Java application that allows a user to input a specific maze and display it and the outcome in a window

### SCRABBLE ANAGRAMS (Individual Project)

- Created a Java program that produce all the words and their associated score based on the user's rack in Scrabble

### TWITTER REPLICA (Individual Project)

- Developed a C++ program that allows Twitter users to send their message to the server through TCP connection, the server will broadcast message to its Followers through UDP connection, and the followers will relay their comments to the server and the server will send the comments back to the users through TCP connection

### ROBOTICS CAPTURE THE FLAG (Team Project)

- Designed, tested, and debugged components on an IR interface for the robot to communicate and capture nearby beacon towers

## LEADERSHIP EXPERIENCE

### BAE SYSTEMS | Engineering Leadership Development Program

July 2016 – Present | Binghamton, NY + Wayne, NJ

- Develop technical skills in mechanical, electrical, and computer engineering in order to innovate and improve avionics hardware, engines, and flight controls
- Collaborate and develop a proposal according to customer design specifications

### BAE SYSTEMS | Engineering Explorer Post Lead

Nov 2016 – June 2017 | Binghamton, NY

- Coordinated Engineering Explorer Post program that encourages high school students to become engineers by working closely with BAE Systems engineers and completing a series of projects in 10 weeks that provides them with a basic overview of all the different disciplines in engineering

### TAU BETA PI NATIONAL HONOR SOCIETY | Co-Vice President

Aug 2015 – May 2016 | Binghamton, NY

### ASIAN STUDENT UNION | President

July 2016 – Present | Binghamton, NY