# Ray Song

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## Education

**Duke University (**Major GPA: 4.0/4.0, Cumulative: 3.83 / 4.0)                                           *May 2018*
- Bachelor of Science in Computer Science and Economics
- 2015-16 Dean's List with Distinction

## Work Experience

**Software Engineering Intern at Bloomberg LP,** New York, NY                                  *May – Aug 2017*
- Accepted and signed offer for Summer 2017 Bloomberg Financial Software Developer Internship

**Software Engineering Intern at Aqueti Cameras,** Chapel Hill, NC                         *May – Aug 2016*
- Automated network bandwidth evaluation to identify system bottleneck in 16-array gigapixel camera
- Optimized image processing by creating JsonBox app to compute SSD throughput across systems
- *Technical keywords:* C++, Socket/Network Programming, JSON, Bash, Unix/Linux

**Software Engineering Intern at Riot Games,** Seoul, Korea                                    *Jun – Aug 2015*
- Enhanced data processing for 1,300+ surveys by implementing sorting algorithm on structured text
- Created webpage and content for *League of Legends* online quiz event with 100,000+ daily participants
- *Technical keywords:* Java, HTML/CSS, JavaScript, jQuery, Bootstrap

**Teaching Assistant at Duke Computer Science Department,** Durham, NC              *Jan 2016 – present*
- Data Structures and Algorithms (CS201), Discrete Math for Computer Science (CS230)
- Led discussion session of 30+ students on theoretical concepts and ***Java/Python*** coding assignments

## Project Experience

**HackDuke Organizing Committee** (https://www.hackduke.org/)                          *Aug 2015 – present*
- Coordinated HackDuke: Code for Good, an annual hackathon with 3,000+ applicants
- Taught tutorials on ***HTML/CSS***, ***Rails, SQL***, and product design for entry-level hackers

**Project Llama@Giles** (https://github.com/yrsong15/Llama-At-Giles)                          *Jul 2016 – present*
- Created ***Ruby on Rails*** web app with ***Sass*** to provide efficiently curated FAQ list for incoming freshmen
- Engineered secure user model by deploying customized ***Ruby*** regex and ***bcrypt*** password hash

**Personal Website/Blog** (https://github.com/yrsong15/yrsong15.github.io)                    *Jun 2016 – present*
- Built and designed introductory webpage from scratch using ***HTML/CSS*** and ***Bootstrap***
- Published multiple posts on computational thinking, project development, and passion for writing/education

## Leadership Experience

**Army Sergeant at ROK CBRN Defense Command**, Republic of Korea                  *Sep 2013 – Jun 2015*
- Led battalion of 90+ personnel in decontamination operations, antiterrorist trainings, and combat exercises
- Awarded Recognition with Distinction by US 20th CBRNECOM CG during ROK-US combined exercise

**Resident Assistant at Giles Dorm, Duke East Campus**, Durham, NC                      *Aug 2016 – present*
- Facilitated adjustment process for 120+ freshmen through proactive guidance and one-on-one meetings
- Fostered amiable house environment by holding open-door hours and biweekly floor dinners

## Skills / Interests

**Debate:** National Representative in Bickel & Brewer Public Policy Forum; finished 3rd among 300+ teams
**Basketball:** Two-time state champion, co-captain of high school varsity team; ardent fan of Duke Basketball and NBA