

# Ray Song

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## Education

**Duke University** (GPA: 3.83 / 4.0)

May 2018

- Bachelor of Science in Computer Science and Economics
- Fall 2015, Spring 2016 Dean's List with Distinction (GPA: 4.0 / 4.0)

## Work Experience

**Software Engineering Internship at Aqueti Cameras**, Chapel Hill, NC

Summer 2016 - present

- Created C++/JsonBox network programming application to evaluate bandwidth and storage across systems
- Wrote test code/shell script and analyzed results to calculate PCIe SSD throughput for various image sizes
- Implemented graphic plotting tool via command line to display block size for optimal read-write processes

**Summer Internship at Riot Games**, Seoul, Korea

Summer 2015

- Conducted data analysis using Java sorting algorithm on structured text for offline event with 1,300+ users
- Created web page and content for *Naver HappyHour*, an online quiz event with 100,000+ participants daily
- Produced promotional video for three different in-game content launchings as part of localization strategy

**Undergraduate Teaching Assistant at Duke Computer Science Department**, Durham, NC

Spring 2016 - present

- *Courses Taught*: Data Structures and Algorithms(CS201), Discrete Math for Computer Science(CS230)
- Led review sessions and one-on-one lessons on theoretical concepts and Java/Python coding projects
- Provided tailored one-on-one lessons to supplement course lectures and clarify difficult ideas

## Project Experience

**HackDuke Organizing Committee**, Durham, NC

Fall 2015 - present

- Coordinated organization of HackDuke: Code for Good, an annual hackathon event with 3,000+ applicants
- Managed introductory tutorials on HTML/CSS, Django, iOS, and product design for entry-level hackers
- Hosted speaker events to facilitate exchange of opinions and foster campus-wide interest in tech industry

**Personal Summer Project: Webpage Development**, Durham, NC

Summer 2016 - present

- Learned frontend development tools through online resources (Khan Academy, Coursera) to envisage ideas
- Created introductory page for incoming freshmen to provide customized FAQ and share useful facts/tips
- Built personal website ([yrsong.com](http://yrsong.com)) to discuss thoughts on college experience, recent news, and tech industry

## Technical Experience

**Experienced:** Java, Python, C++, HTML/CSS

**Familiar:** Ruby on Rails, JavaScript, jQuery, Bootstrap, SQL, Bash, MIPS(Assembly), Logisim

## Military Experience

**Army Sergeant at ROK CBRN Defense Command**, Korea

2013 - 2015

- Led squad of 10+ personnel in decontamination operations, antiterrorist trainings, and basic combat exercises
- Served as aide-de-camp and command post interpreter of the Commanding General for 21 months
- Awarded Recognition with Distinction by US 20<sup>th</sup> CBRNECOM CG during ROK-US combined exercise

## Skills / Interests

**Leadership:** Resident Assistant for 100+ freshmen; class representative of Duke Korean Students Association

**Foreign Languages:** Korean (native), Chinese (3+ years)

**Debate:** Represented Korea in Bickel & Brewer Public Policy Forum; finished 3<sup>rd</sup> among 300+ international teams

**Basketball:** Two-time state champion, co-captain of high school varsity team; ardent fan of Duke Basketball and NBA