

Ray Song

ray.song@duke.edu ▪ (919) 699-0113 ▪ <https://linkedin.com/in/yrsong>

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 discussion session of 30+ students on theoretical concepts and Java/Python coding projects
- Provided tailored one-on-one lessons and office hours 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

- Built personal website (yrsong.com) to discuss thoughts on college experience, recent news, and tech industry
- Created introductory page for incoming freshmen to provide customized FAQ and share useful facts/tips
- Developed data mining platform to produce pictograms of business keywords for leading corporations

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 20th 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 3rd among 300+ international teams

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