Ray Song

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

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 Internship 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, Bash, Unix/Linux

Summer Internship 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

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

Project Experience

HackDuke Organizing Committee (https://www.hackduke.org/)   *Aug 2015 – present*

- Successfully coordinated HackDuke: Code for Good, an annual hackathon with 3,000+ applicants
- Managed introductory tutorials on *HTML/CSS*, *Rails, SQL*, and product design for entry-level hackers

Tech Education Series (https://www.hackduke.org/education/)   *Feb 2016 – present*

- Raised campus-wide interest in tech industry by hosting 10+ prominent speakers and recent alumni
- Directed marketing tactics to reach out to various student bodies and foster exchange of diverse opinions

Project Llama@Giles (https://guarded-wave-57585.herokuapp.com/)   *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 (http://yrsong.com/)   *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