

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
- Computed CPU utilization and bottleneck for different I/O rates to measure throughput limit of camera modes

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

- Led review sessions and one-on-one lessons on data structures and algorithms using Java/Python syntax
- Provided guidance on theoretical concepts, coding projects, and in-class algorithm program test questions
- Headed biweekly tutor meetings to provide mutual feedback and discuss effective teaching methods

Project Experience

HackDuke Organizing Committee, Durham, NC

Fall 2015 - present

- Coordinated organization of HackDuke: Code for Good, an annual hackathon event with 2,500+ applicants
- Managed screening process by implementing online registration system in official website (hackduke.org)
- Hosted education events on HTML/CSS, Django, iOS, and product design featuring speakers from tech industry

Personal Summer Project: Webpage Development, Durham, NC

Summer 2016 - present

- Learned frontend development tools through online resources (Khan Academy, Coursera) to visualize ideas
- Built personal website (yrsong.com) to share thoughts on college experience, recent news, and tech industry
- Created online gallery for anniversary event (raymeetsnicole.com), with each picture linked to detailed letter

Technical Experience

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

Familiar: Ruby on Rails, SQL, Bash, MIPS, 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 Undergraduate Association

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

Debate: Represented Korea in 2011 Bickel & Brewer Public Policy Forum; finished 3rd among 300+

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