

Jason Jiang

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Education

University of California, Los Angeles
B.S., Computer Science and Engineering
B.S., Applied Mathematics

GPA: 3.75
Graduating June 2018

Relevant Coursework

Data Structures & Algorithms, Software Construction, Programming Languages, Databases, Artificial Intelligence, Scalable Web Architecture, Operating Systems, Computer Architecture

Technical Skills

Languages: C++, Java, Python, PHP, HTML, CSS, JavaScript, ReactJS

Work Experience

Software Engineering Intern (Jun 2016 – Sep 2016)

Facebook

- Implemented and extended functionality for HACKtv: Facebook's internal video manager using ReactJS and Hack
- Built reusable, extendable components to display and manage videos with a redesigned interface
- Developed customizable playlists and integrated with Facebook's share feature to promote usage of internal videos
- Implemented a channel subscription system to facilitate video management
- Created and designed HackTv mobile app with cross-platform functionality using React Native and utilized GraphQL/Relay to fetch employee and internal video data

Project Experience

Web Enabled Security System (Language: Python)

- Integrated PIR sensors (motion sensors) to trigger TTL serial camera and that is attached to a Raspberry Pi minicomputer
- Utilized the picamera library to control the camera and GPIO library to receive input from the motion sensor
- Employed Python's Simple Mail Transfer Protocol (SMTP) to send pictures through email through the use of Multipurpose Internet Mail Extension (MIME) objects

Optimal Pokémon Team Creator (Language: JAVA)

- Implemented an evolutionary algorithm to determine the optimal traits of a Pokémon team
- Defined a fitness function that objectively evaluated a Pokémon team and rate its effectiveness
- After repeated iterations of the algorithm, the resulting Pokémon team was used successfully in competitive play

Leadership

Teach Vice Chair, ICPC Vice Chair (Oct 2014 – Present)

Association of Computing Machinery (ACM, UCLA Chapter)

- Coordinated UCLA Local Hack Day (50+ students) giving students an opportunity to experience a miniature version of a hackathon
- Created lesson plans for and taught beginner level technical workshops (Learning JSON with Jason)
- Contacted companies to schedule company info sessions for UCLA students
- Recruited students to lead one-off workshops with diverse topics such as web and app development

Honors

Upsilon Pi Epsilon (UPE), Eta Kappa Nu (HKN), UCLA Regents Scholar