

Yuhaw Richard Su

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Experience

- Engineering Resident – Google** Anticipated Start Date – September 2017
- Will be completing two technical rotations on different teams
 - May qualify for full-time hire upon completion of the residency
- Software Engineering Intern – HealthTech Solutions** June 2017 – September 2017
- Created an admin portal with React to manage users and messages
 - Initiated and executed all Android releases of the *TXP Chat™* application
 - Contributed features to the main product that helped garner \$250,000+ in NIH funding
- Research Assistant, Teaching Assistant – The University of Iowa** February 2015 – May 2017
- Developed tools and functionality for use in 3D medical image pre-processing
 - Instructed 130 students in a course that taught advanced programming fundamentals
- Software Developer Intern – Epic** May 2016 – August 2016
- Implemented a service to help patients better adhere to complex medication schedules

Education

- The University of Iowa – Iowa City, IA** August 2013 – May 2017
- BSE Electrical Engineering with Software Engineering Focus GPA – 3.68/4.00
 - BA Computer Science Honors
 - BA Music
 - Mathematics minor

Projects

- PySNAC – Secure Network Audio Communication in Python** January 2017 – May 2017
- Developed a pair of devices that communicate via strong end-to-end encryption over Wi-Fi
 - Implemented data compression with Opus to minimize delay to less than 200ms
- SafeSpace – Second Place Overall, Hack Harassment Award** HackISU Spring 2017
- Enhanced a Chrome extension to block customizable content while browsing
 - Applied several variants of each filter to reduce the number of false negatives
- The Med Manager – Best Health Communication Hack** ArchHacks 2016
- Led the development of an Alexa skill to manage complex medication schedules
 - Designed and implemented a flexible audio UI to add, modify, and take medications
- 3D Image De-noiser – Best Undergrad Poster in Bioimaging** UI Research Open House 2016
- Efficiently implemented the TV-L1 primal-dual algorithm to de-noise images up to 52% faster

Skills

Languages* – Java, JavaScript, Python, C++, C, SQL, Scala, Swift *in order of proficiency

Technologies – Alexa, Node.js, React + Redux, iOS, Android, Github, ITK

Involvement

- Co-founder – Iowa Hacker's Club** September 2016 – May 2016
- Started University of Iowa's first official student organization to promote hackathons
 - Recruited, organized transportation for, and mentored novice hackers for 6 hackathons
- Analytics Chair – UI Dance Marathon 23** August 2015 – April 2017
- Tracked event and financial data for a philanthropy supporting pediatric cancer patients
 - Supplied metrics to help the group raise over \$2.5 million within a year