

Thankarat Sai

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Education

Duke University, Durham NC

Expected May 2017

Bachelor of Science in Electrical and Computer Engineering and Computer Science

Relevant Coursework: Software Design & Implementation, Operating Systems, Design & Analysis of Algorithms, Digital Systems, Computer Architecture, Comp. Network Architecture, Data Structures & Algorithms

Georgia Tech Lorraine (Georgia Institute of Technology), Metz France

Fall 2015

Completed rigorous engineering program; explored 17 European countries while balancing coursework

Duke in Silicon Valley, Palo Alto CA

Summer 2015

Studied disruptive innovation and entrepreneurship through a Harvard Business School course; learned success factors for start-up companies and broadened knowledge of successful business practices through site visits

Singapore International School, Hong Kong

Graduated May 2013

Technical Skills

Languages: Proficient--- Java, Ruby, Swift, HTML/CSS; Intermediate--- Javascript, Python, C, Assembly, Verilog, MATLAB

Technologies: XCode, Eclipse, Ruby on Rails (RoR), Heroku, Git, PostgreSQL, SQLite, Bootstrap, Altium Designer

Work Experience

Caretake, Inc., *Technical Co-Founder & Software Engineer*, Durham NC

Summer 2015--Present

- Serve as a founding engineer of a start-up that supplies a network of mobile caretakers for healthcare clients through a RESTful API; communicate extensively with the CEO and client to actualize non-technical specs
- Designed a scalable system with a mobile driver front-end that communicates with a server and API, which then communicates with clients, while keeping flexibility and agile development methodologies in mind
- Implemented the entire technical platform, from the API/back-end to the web/iOS front-end, in RoR and iOS, while also learning new technologies, gems and libraries like the Stripe API, cURL, Alamofire and more
- Managed the database and platform during beta phase, focusing on stability and security during testing

Electrobe, Inc., *Assistant to the Chief Executive Officer (Intern)*, San Francisco CA

Summer 2014

- Closely shadowed the CEO at company engineering consultations and client and investor meetings
- Designed circuit boards in Altium Designer and assembled hardware for various projects and clients

Circuitry Service Solution, Inc., *Engineering Intern*, Hong Kong

Summer 2013

- Tested and repaired semiconductor front-ends and back-ends, working with circuit boards and machinery while collaborating with technicians and engineers

Technical Projects (*links to projects available on personal website*)

- **Dailycode**, Summer 2015: Designed a Chrome Extension that helps enforce daily coding practice (Javascript, RoR)
- **SavvySpend**, Summer 2015: Implemented a web app that uses location and a currency API to keep track of a budget no matter the location, submission for the ChallengePost Financial Literacy Hackathon (RoR, Geocoder)
- **Ubtown**, Summer 2015: Co-developed a ridesharing web app for South African locals to travel between townships through the iXperience coding program final project (RoR, Mapbox, Twilio)
- **Vote City**, Spring 2015: Worked in a group to develop an iOS app that explores various voting alternatives (Swift)
- **Pong**, Spring 2015: Developed the entire digital system of Pong with a partner using structural code and hardware, writing individual components of the processor and the assembly code (Structural Verilog)
- **OOGASALAD**, Spring 2014: Led the front-end sub team to develop a game authoring environment (Java)

Leadership Experience

Omega Tau Beta Fraternity, *Social and Brotherhood Chair*, Duke University

Spring 2014--Present

- Organized monthly social activities and contributed to multiple committees while interacting and communicating with a culturally, ethnically, religiously and socio-economically diverse group of 30 gentlemen

Duke International Club Executive Committee, *Webmaster*, Duke University

Spring 2015--Spring 2016

- Managed and developed the club website and effectively communicated technical concepts while contributing to driving and hacking growth in a previously defunct organization