

Jiamin He

jiaminhe@ucsd.edu

(858)346-3419

Mountain View, CA

<http://jiaminhe.com>

SUMMARY	A master student in UCSD Computer Science Program, seeking a full time full stack software engineering job. Have rich experience in Java, mobile development and web development (React, Node.js, javascript). Looking for impactful and challenging projects.		
EDUCATION	University of California San Diego (UCSD), CA	Dec 2018 (Expected)	
	<i>Master of Science in Computer Science</i>	GPA: 3.9/4.0	
	Tianjin University (TJU), China	June 2017	
	<i>Bachelor of Engineering in Electrical and Computer Engineering</i>	GPA: 3.87/4.0	
SKILLS	Programming: Java, Python, Android Development, C++, Ocaml, Prolog, Verilog Web: Javascript, CoffeeScript, jQuery, React, Express, Mustache Database: MySQL, PostgreSQL		
INTERNSHIP	Groupon Inc., CA	June - Sept 2018	
	Backend Engineering Excellence Team <i>Libraries Management Dashboard</i>	Software Engineer Intern Java, Node.js	
	<ul style="list-style-type: none">- Designed and implemented a <i>Libraries Management Dashboard</i> to expose information regarding all services within Groupon that use Java Tier Libraries, which also supports query, debug and communication operations- Designed the service logical architecture, designed a MySQL database, implemented RESTful APIs with Dropwizard in Java, designed the Groupon internal tool template and implemented the frontend in Node.js and also CoffeeScript, Express.js and Mustache- The project is ongoing and will be tested internally, which is estimated to save most of the time wasted on resolving compatibility issues when new releases are cut		
PROJECTS	RobeSafe Group, Spain	July - Sept 2017	
	Product Development and Innovation <i>AutoPanel: the Interactive Automotive Dashboard</i>	Software Engineer Intern React	
	<ul style="list-style-type: none">- Proposed and developed a prototype of the interactive network visualization component for autonomous self-driving vehicles as a control panel- Designed and developed multiple data visualization UI components using React framework- Executed multiple tests for supporting the Robesafe feature on Human Machine Interface		
	Massachusetts Institute of Technology (MIT), MA	Jan - June 2017	
	Computer Science and Artificial Intelligence Lab (CSAIL)	Researcher	
	<i>Cyber-Manufacturing and widely 3D-Printing</i>	WebGL, javascript, Node.js	
	<ul style="list-style-type: none">- Full stack architect and developer of CyberFab: a cloud platform for online 3D editing and rendering, which aims to provide an easy-at-hand way for ordinary users to design their customized furniture or gadgets and none of any prior knowledge is needed- Investigated the automatic detection and assistance algorithm to help novice users, achieved more than 62.7% support in pilot participants- Designed unified interfaces for different products to simplify user study process		
	McGill University, Canada	Aug - Dec 2016	
	Accessible Computing Technologies Lab, Information of Studies	Researcher	
	<i>Performance Evaluation of Elder's Touch-Selections</i>	Android, Java, Python	
	<ul style="list-style-type: none">- Designed an Android tablet Application with audio feedback to aid older adults to use smartphones and tablets and provide ageing users with web accessibility- Extracted user's implicit information from serialized data on shaking/hovering/slipping motion with Python, invented instant performance evaluation loop in Fitts's Model, coded Leap Motion to detect movements in 3D coordinates- Automated calculations of different measures and errors, achieved more than 42.5% improvement than past models		