Nathan Kong

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Personal Projects: May 2017 - Present

Project	Description	Tools
ChemConvert (in Progress)	A conversion tool for chemical compounds. Converting a concentration to a mass.	React, Webpack, ESLint
Currency Exchange	A tool for currency exchange.	Express, Sass, Gulp, Browsersync, Typescript
IntTips	A tip calculator that ceiling rounds a bill to an integer dollar amount.	Node, HTML, CSS, JS, JQuery, Express
Tri-Valley Group Parks	An informational site displaying information about group picnic areas.	JSP, Servlet, Tomcat, MySQL, AJAX
Snowboard Signup	A group signup sheet for various ski passes to Vail resorts.	Apache, Docker, MySQL, AJAX

Graduate Experience: Jan. 2014 - May 2017

Master of Science: Computer Science - San Jose State University - GPA 3.5
● Master's Project - Failover Mechanism in Distributed SDN Controllers (Java) - A failure detection and recovery strategy for Software Defined Networking controllers in a distributed architecture for LTE telecommunications.
● User Interface Design - Hangry (JustInMind) - A prototype of a food review site that is similar to Yelp and Google but with an improved user interaction.

San Jose State University (San Jose, CA) - Teacher's Assistant, Jan. 2017 - May 2017
Develop, instruct, and grade laboratory assignments for the graduate class: Topics in Wireless Mobile Networking at San Jose State University. (Slack, Nutanix Cloud, Docker, NS3, OpenDayLight, Mininet, VirtualBox)

Findlaw, a Thomson Reuters business (Sunnyvale, CA) - Software Developer Intern, Aug. 2015 - Aug. 2016
● Create, schedule, and assign tasks through Jira for state codes (http://codes.lp.findlaw.com/)
● Use agile methods to collaborate with Engineering, Marketing, and Legal teams to ensure that the project is on track by removing impediments, providing resources and data (state codes - http://codes.lp.findlaw.com/)
● Migrate static web content from legacy software on http://corporate.findlaw.com to a Content Management System (CQ5.6.1)
● Migrate caselaw summaries (XML files) into Content Management System (http://caselaw.findlaw.com/)
● Redirect legacy domains in Apache
● Research and implement image compression in order to improve search engine optimization

Aeris IOT Workshop - 1st Place, March 2016
Simple Pill Bottle - A Smart pill bottle to help with prescription drug abuse. The bottle sends information to Aeris's cloud. Patients and physicians can view pill usage online. (Tessel 1, node.js, html, css, javascript, AerCloud)

Volunteer Events
● Node Summit, July 2016
● Structure Conference, Nov. 2016

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Work Experience: May 2006 - Aug. 2015

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Chicago Bridge and Iron (Concord, CA) – Project Engineer, May 2006 – Aug. 2015
- Maintain the overall project vision by setting project requirements, tasks, milestones, and completion objectives
- Guide the team on resource requirements, tasks, deliverables, risks, and other issues through the life of the project
- Analyze data for tracking of project completion and enhancements to the system
- Evaluate and simplify Standard Operating Procedures to increase efficiency while maintaining safety standards
- Work with Health and Safety to assess the risks on each project sites
- Write work plans for each project to establish customer expectations of the project scope, deliverables, procedures
- Present bi-weekly project status to key stakeholders and regulatory agencies
- System design, commissioning, troubleshooting, and operations of treatment systems.

Conferences
- Nathan Kong and et al, "Evaluation of Using Alternative Energy via Treatability Testing of Soil Vapor Extraction," Battelle Bioremediation Symposium, 2013
- Nathan Kong and et al, "Congeneration in Mountain View,"Battelle Chlorinated and Recalcitrant Conference, 2010
- Nathan Kong and et al, "ELECTRICAL RESISTANCE HEATING FOR DNAPL SOURCE REMOVAL AT ALAMEDA POINT," Battelle Chlorinated and Recalcitrant Conference, 2008

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Undergraduate Experience: May 2007

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Bachelor of Science: Mechanical Engineering, Minor Business, San Jose State University 2007
Project - Zero Emissions vechicle (ZEM)
Vice President of Society of Automotive Engineers 2007
Vice President of Theta Chi Fraternity 2006

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Additional Tools

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Management: Jira, Asana, Word, Excel, Slack
Presentation: Powerpoint, Prezi, Emaze
Prototype: Principle, JustInMind, Atomic
OS: Mac, Linux, Windows
Other: Eclipse, Git, Docker, Sublime, Apache, Express