

Vinoth Kumar Vedachalam Ramaswami

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EDUCATION	<i>Master of Science, Computer Science</i> New York University Polytechnic School of Engineering, New York, NY <i>Coursework:</i> Algorithms, Cloud Computing, Big Data, Human Computer Interaction <i>Bachelor of Engineering, Computer Science</i> Anna University, Chennai, India	May'16 Apr'13
TECHNICAL SKILLS	<i>Languages and Frameworks:</i> C,Python, Java, Javascript, AngularJS, C++, Git, Protractor, Selenium WebDriver, Jasmine, CSS, HTML <i>Databases and Operating Systems:</i> SQL, PostgreSQL, Ubuntu, Linux	
EXPERIENCE	<i>Teaching Assistant, New York University, New York, NY</i> <ul style="list-style-type: none">Teaching Assistant for Object Oriented Programming course under Prof. John SterlingResponsible for conducting recitation classes and lab sessions <i>Software Engineer Intern, Time Inc, New York, NY</i> <ul style="list-style-type: none">Worked in the Technology and Product Engineering Team in building the next generation Customer Service Portal - an e-commerce product.Responsible for design and development of the Digital Asset Management component and brand catalog to serve the metadata.Developed an editorial application and REST api for efficient metadata management.Technologies used: HTML, CSS, Javascript, Bootstrap, Python Flask, JSON, AWS, JIRA <i>Software Engineer Intern, CaseRails, New York, NY</i> <ul style="list-style-type: none">Full stack development of the Caserails legal content management system.Worked on product enhancement to automate dynamic form building with JSON schemas and Angular Schema Form Builder.Developed end-to-end tests using Protractor, Jasmine and Web-driver Selenium.Technologies used: Git, Emacs, Pivotal Tracker, \LaTeX. <i>Software Engineer, EmbedUR Systems, Chennai, India</i> <ul style="list-style-type: none">Worked in driver development and Enhancement for CISCO's Enterprise Class Access Points and Next Generation Wireless Controllers (NGWC).Developed Applications for Bio-safety Contamination Units for STERIS CORPORATION.Tools used: Wireshark, OmniPeek, IAR Embedded Workbench. <i>Software Engineer Intern, Triesten Technologies, Chennai, India</i> <ul style="list-style-type: none">Development of "PracticeMED" - an Electronic health record application.Developed the scheduler functionality in Javascript.Technologies used: Java Spring Framework, Hibernate, Maven, Subversion, SQL	Sep'15 - Present Jun'15 - Aug'15 Oct'14 - May'15 Oct'13 - May'14 Dec'12 - Apr'13
PAPER PUBLICATION	<i>Bio Inspired Governance Model for BIG Data Convergence in Data Crowd using Dataflow Oriented Software Engineering</i> <ul style="list-style-type: none">Published in the 8th Intl. conference on convergence and computing technologies (ICCCT) held in Gyeongju, South Korea.	Oct'13
ACADEMIC PROJECTS	<i>Twitter Map</i> <ul style="list-style-type: none">Record a stream of tweets from the Twitter Live API and Amazon SQS service is used to create a processing queue for the Tweets.Worker threads perform sentiment analysis using Alchemy API and Amazon SNS service updates the status processing on each tweet.The HTTP frontend deployed on Amazon EC2 instance, displays a heatmap with different gradient for positive & negative sentiment and also displays sentiment trends. <i>Scoop : Android Mobile Application</i> <ul style="list-style-type: none">All-in-one news app which sources from popular News providers and blogs.Application stores all the information onto the local storage and refreshes regularly providing the user to access updated news even when offline.Tools and Technologies: Java, Android Studio, AWS: EC2, Elastic Beanstalk, S3, RDS, SNS SQS	Feb'15 May'15