

Tej Vuligonda

San Jose, CA • (714)-604-8482 • tejvuligonda@gmail.com • <https://tejvuligonda.github.io>

Technical Skills

- Proficient: Python, Django, TensorFlow, JavaScript, AngularJS, Node.js, PHP, Ruby on Rails, Java, C++, C, SQL, PostgreSQL, SQLite, MongoDB, Git, AWS, Travis CI, jQuery, HTML5, CSS3, iOS, Swift, Bash, Lua, SVN
- Exposure: GenSim, Objective-C, Perforce, Perl, Apache, R, R Studio

Education

- **University of California, Irvine** – Irvine, California
 - B.S., Computer Science and Engineering *September 2017*
 - B.A., Business Economics *September 2017*
 - Minor in Management

Industry Experience

- **Integrations Software Engineer** – 8x8, Inc. *April 2019 to Present*
 - Developed custom enhanced Interactive Voice Response systems for contact center customers using Lua, Python, and Freeswitch generating an estimated \$33,000 and also decreasing number of customer issues by 40% per customer
 - Implemented multiple CRM integrations (Salesforce, custom CRM's, Netsuite) for contact center and virtual office generating over \$100,000 in monthly recurring revenue
- **Software Engineer** – Cisco Systems, Inc. *July 2017 to April 2019*
 - Collaborated with UI/UX team to develop Database Portal consolidating 100+ tools with JavaScript, AngularJS, Java Spring Boot, and Oracle Apex, decreasing search time by 86%.
 - Built predictive patching tool to scrape internal & external knowledge bases for database administrators to apply solutions before issues arise with Python BeautifulSoup and AngularJS; 93% faster than manual process.
 - Developed multi-threaded tool which provisioned access to hosts and databases for Database Administrators using Python, Paramiko, cx-Oracle, and Oracle DB causing 33% less production issues.
- **Advanced Development Intern** – Dell EMC *June 2016 to January 2017*
 - Updated Performance Testing Automation Framework legacy code for new NAS storage backup software using PHP, Apache, MySQL and Perl, optimizing memory usage by 50% and run time by 20%.
 - Automated installation of product builds with Bash, Python, and Artifactory, saving 1 hour per build.
 - Collaborated with Senior Engineer to analyze storage system data and recommend decisions to customers by creating prediction algorithms using R with 92% accuracy.
- **Software/Quality Assurance Intern** – Broadcom Limited *January 2016 to June 2016*
 - Automated Ethernet Controller Testing using Python which resulted in testing process requiring 80% less engineers with Ethernet Controller knowledge.
 - Developed parser for different file types including JSON, XML, CSV and Excel using Python allowing for batch input and 1 day saved per engineer during testing cycles.
- **Lab Automation and QA Test Intern** – QLogic Corporation *June 2015 to October 2015*
 - Created online lab asset management system using Python, SQLite, CGI scripting and Django/Apache that automated tasks such as inventory audits, equipment scheduling, and infrastructure planning

Notable Projects

- **SwipeMeIn | Software Engineer + Team Lead** *2017*
 - Marketplace for UC Irvine students to swipes built with PHP, Apache, MySQL and AWS.
- **RESANG | Software Engineer + Data Scientist** *2016*
 - Group chat app employing machine learning (Agglomerative clustering) to provide meaning to pictures and text using Python, TensorFlow and Natural Language Processing with GenSim.

Awards and Honors

- **1st Place and Student Choice in Anthacker Competition** – Associated Students - UC Irvine *January 2017*
- **Multidisciplinary Research Fellowship** – Undergraduate Research Program at UC Irvine *January 2017*
- **Eagle Scout** – Boy Scouts of America *June 2013*