|  |  |
| --- | --- |
|  | Matthew Zhan  3106 Duval St. Apt 304, Austin, TX 78705  |  matthewzhan@utexas.edu  |  512-577-7517 |
| Objective | Full-time position as a Software Engineer |
| Skills & Abilities | Proficient in Java with over seven years of experience Significant experience with C++ and the Qt Framework Specialist in 2D graphics, GUI, and UX programming Familiar with C, ARM embedded systems, Assembly language, and MySQL |
| Experience | **software engineering intern |** polycomjuly 2015 – SEPTEMBER 2015 | Austin, tx  * Developed a hierarchical state machine editor with an intuitive GUI and a code exporter, accelerating the automation of software testing for all product lines * Rapidly evolved the program with impactful updates by adapting requirements from consultations and meetings with end users * Independently developed novel features that significantly improved utility, accessibility, and visual clarity  **Software engineering intern |** NSF spatiotemporal innovation centerjune 2014 – august 2014 | george mason university, fairfax, va  * Simplified analysis of large, cloud-stored geodata files by developing middleware to read from and quickly render geomaps using interpolation algorithms * Assessed behavior patterns of app-users using GPS data to profile their movement * Accelerated development progress by regularly exchanging critique in meetings  **tutor |** sanger learning centeraugust 2013 – may 2014 | austin, tx  * Mentored EE students on how to effectively approach problems and learn concepts * Reduced challenging problems as a team of tutors and students, collaborating on thorough and simple problem solving strategies |
| Education | **The university of texas at austin**bachelor of science, eletrical engineering, may 2016  * GPA: 3.56 * Member of UT Engineering Honors Program * Recipient of Charles C. and Lula May Wilson Endowed Scholarship Fund, 2012-2013   **Related Courses** Algorithms, Software Design II, Communications, Real-time Operating Systems, Concurrent and Distributed Systems, Computer Architecture, Discrete Math, Digital Logic Design, Differential Equations, Linear Systems and Signals, Probability |
| Achievements | Visual Statechart Editor, open source editor for hierarchical state machines  Polycom Tech Talk, company-wide presentation to orient users to Visual Statechart Editor  Publication Co-author, Enabling Big Geoscience Data Analytics with a Cloud-Based, MapReduce-Enabled and Service-Oriented Workflow Framework  Kepler Orbit, iPad app, physics sandbox with solar system simulator |