

ADITYA PRASAD

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EDUCATION

The University of Texas at Austin, College of Natural Sciences – Austin, TX

Aug 2015 – May 2019

- Bachelor of Science: Computer Science
- GPA: 3.29 out of 4.00

Bellaire High School – Bellaire, TX

Aug 2011 – Jun 2015

- GPA: 4.93 out of 5.00 (weighted)
- Class rank: Salutatorian (2nd out of 711)
- International Baccalaureate (IB) Diploma Holder

TECHNICAL SKILLS

Languages: Proficient in Java, C, C#, Python, SQL, HTML. Working knowledge of C++, Scala, CSS, Javascript.

- Constructed a mini-operating system using Pintos by implementing multithreading, system calls for user programs, virtual memory, and a hierarchical file system (C)
- Wrote a simple shell using signal-handling, back/foreground scheduling, and process management (C)
- Built a basic music synthesizer using a discrete-event simulator implemented with priority queues (Java)
- Explored optimal pathing methods using Dijkstra's and Prim's algorithms & heuristics (Java)

EXPERIENCE

Esurance - SDET Intern – San Francisco, CA

July – Aug 2017

- As member of the "Software Development Engineering in Test" (SDET) Scrum team, was responsible for maintaining the testing frameworks for the front and back ends of Esurance's application
- Refactored section of frontend test framework to make testing patterns more declarative and readable
- Wrote automated browser tests with Selenium API to test insurance policy purchase, saving, and retrieval
- Manually logged, tested, and tracked down bugs using iOS, Mac OS, Android, and Windows devices
- Performed regression testing prior to each major and minor release of Esurance's web application

Securus Technologies - Technology Intern – Houston, TX

Jun – Aug 2016

- Developed automated browser tests using Selenium API and C# to efficiently test three web applications' UI and functionality
- Investigated benefits of Selenium versus other testing frameworks to determine best fit for engineering team's needs
- Presented research findings to Vice President of Software, Director of Quality Assurance, and QA team
- Presented my program scripts to VP of Software and software engineering team
- Gained experience with Agile methodology by participating in daily scrums and weekly meetings
- Collaborated with Director of Quality Assurance to ensure information from user databases was being properly uploaded to the web applications for customer use
- Researched conversion of web applications from ASP.NET framework to Node.js and presented findings to the software engineering team

RELEVANT COURSEWORK

- CS 314 Data Structures | CS 429 Computer Organization & Architecture
- CS 439 Principles of Computer Systems | CS 347 Database Management
- CS 331 Algorithms and Complexity | CS 345 Programming Languages
- CS 371 Object-Oriented Programming | CS 356 Computer Networks

Fall 2015 – Spring 2016

Fall 2016

Spring 2017

Fall 2017

ORGANIZATIONS

- Association for Computing Machinery Student Chapter – Member
- Omega Phi Gamma Fraternity – Web Master