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: 3.30 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++, C#, Python, SQL, HTML, CSS. Working knowledge of Android, Javascript.
- Constructed a mini-operating system called Pintos by implementing multithreading, system calls for user programs, virtual memory, and a hierarchical file system (C)
- Created an internet database site to streamline users' searches for restaurants and related recipes/ingredients.
- Designed a programming language in Scala that resembles rap lyrics - handles functions, logic, looping, & math.
- Developed a personal website using Flask-Bootstrap framework – adityaprasad.me

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 vs. 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   **Fall 2015 – Spring 2016**
- CS 439 Principles of Computer Systems | CS 347 Database Management   **Fall 2016**
- CS 331 Algorithms and Complexity | CS 345 Programming Languages   **Spring 2017**
- CS 371 Object-Oriented Programming | CS 356 Computer Networks   **Fall 2017**
- CS 373 Software Engineering   **Spring 2018**

ORGANIZATIONS

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