

NABEEL NAIYER

naiyer.nabeel@gmail.com • (512) 363-6078 • nnaiyer.github.io

EDUCATION

The University of Texas at Austin	B.S. Electrical Engineering B.S. Mathematics	Dec 2018
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WORK EXPERIENCE

Visa Inc. – Software Engineer; Austin, TX Jun 2019 – Present

- Migrated Visa Client Support Application (74M records, 200K attachments) to Microsoft Dynamics with SSIS and KingswaySoft
- Created **Selenium Java** tests to monitor health of Microsoft Dynamics and email generated reports of the results
- Delivered monthly releases for Microsoft Dynamics and implemented features in **JavaScript** and **C#**
- Created analytics dashboard using React to monitor server vulnerabilities and security remediations/findings
- Created APIs using **Java** and **Spring Boot** to fetch data from the **SQL Server** database and provide it to the dashboard
- Assisted Salesforce team as the primary developer to customize Microsoft Dynamics as part of the OneCRM initiative
- Leading data migration team in organizing and processing Salesforce production data, then migrating it to Microsoft Dynamics

Intel Corporation – Pre-Silicon Validation Intern; Austin, TX Jun 2015 – Nov 2015

- Debugged **SystemVerilog** tests of **RTL** code through waveform analysis and a series of back substitutions
- Traced signals back to different hardware components
- Outcome: Fixed bugs involving overheating in hardware components

PROJECTS + RESEARCH

Portfolio Website (ReactJS, Bootstrap) Aug 2020

- Designed a portfolio website to showcase my professional experience and personal projects using **ReactJS**
- Used **Bootstrap** to create and organize layout of the site, and deployed the project using GitHub Pages

Bargain Bot (Ruby, Selenium, Test-Unit, PostgreSQL) Feb 2020 – Mar 2020

- Developed bot that scrapes information from Reddit and Ebay on deals/discounts for specific Nintendo Switch games
- Used cron jobs to schedule bot to run at certain intervals and send emails with pertinent information

Rational Solutions to Linear Differential Equations (MATLAB) Aug 2018 – May 2019

- Determine if there exists a class of 1st order linear differential equations such that if a solution exists, then it must be rational
- Develop a process that will accept a differential equation as an input and conclude if there exists a rational solution
- Identify the singularities of the equation and expand via Laurent Series around each singularity point to determine the residue
- Create a piecewise function explaining the behavior of the residues and use it to make a conclusion about existence
- Research lecture given on November 29, 2018 at UT Austin

Team Formation Algorithm (Python, JavaScript, Node.js) Aug 2017 – Jun 2018

- Worked with team to develop and implement a front-end + back-end UT extension for ECE courses involving teams
- Used literature on team development to design an algorithm which would sort a class into the most efficient groups
- Given n people in an environment, identify k characteristics that can be graded from 1-5, and use those metrics to form valuations
- Shuffle people in teams such that every team has a value v greater than the local minimum team score
- Outcome: usage of program by ECE department since August 2018

TECHNICAL SKILLS

Languages: Assembly, Java, JavaScript, MATLAB, Python, Ruby, SQL

Tools: Dataguise, Git, KingswaySoft, Linux, Microsoft Dynamics CRM, React, Selenium, SQL Server, SSIS

Simulated Systems + Tests and Measurements: Talk-thru, Signal generators, Oscilloscopes, Yagi-Uda and Helix Antennae

LEADERSHIP EXPERIENCE AND ACTIVITIES

Tutoring: Calculus (I-III), Differential Equations, Discrete Math Sept 2017 – Mar 2020

Breakthrough Conference Speaker + Coordinator Apr 2016