

ERIC BUSCH

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EDUCATION

Bachelor of Science in Computer Science

University of Texas at Dallas

Richardson Texas – May 2020 – GPA: 3.627

Master of Science in Computer Science

University of Texas at Dallas

Richardson Texas – May 2021

SKILLS

Programming Languages: Proficient in: C++, Java, C#, Python; Familiar with: MIPS Assembly, LISP, Prolog

Software: NetBeans, Eclipse, Visual Studio, Microsoft Office (Word, Excel, PowerPoint, Outlook)

Operating Systems: Windows XP/7/8/10, Linux

RELEVANT PROJECTS

HATCO/Capstone RE Market Share Analyzer

Fall 2019

Used Windows Form App development in C# to cross-reference data from HATCO's closing database with their MLS sold database to determine, through a series of algorithms, which properties in the MLS sold database were closed by the company. Manipulated the data further by parsing out the data into a series of worksheets combining data within each row of the database and sorting the data by various criteria and groups. This data is used to create Market Share reports used by the company to determine which agents to target.

Location Based Social Media Website

Spring 2019

Collaborated with a team to create a new social media website that pins threads to locations like leaving a physical note somewhere.

Password Generator App

Spring 2019

Used the cross-platform framework Flutter to create a mobile app that generates passwords given user specified parameters.

Reversi in MIPS Assembly

Fall 2017

Collaborated with a team to program the game Reversi in **MIPS assembly** language.

WORK HISTORY

Software Development, Policy Preparation & Data Entry, Home Abstract & Title Company

April 2017 – Current

- Developed HATCO/Capstone RE Market Share Analyzer to produce RE market share reports for Hatco and its sister company Capstone Title. This was an independent effort.
- Prepare and mailed out Title Policies.
- Scanned old files into Sureclose to free basement space and help to ensure convenient recovery of the files.
- Assisted with any additional jobs that may arise such as setting up network workstations.

Undergraduate Learning Assistant for Linear Algebra, University of Texas at Dallas

August 2018 – May 2019

- Assisted in making sure students solved linear algebra problems correctly.
- Answered students' questions and tutored students through problems should they need the help.

ACTIVITIES

Hack UTD

Spring 2018

Created a digital game board for Dungeons and Dragons in collaboration with a team.

Pathways to Careers

Spring 2017

Served as a panelist upon request of my professor.

Boy Scouts of America

Spring 2016

Achieved the rank of Eagle Scout with gold palm.