Ethan Huynh

ethanhuynh5@tamu.edu | 832-469-0390 | U.S. Citizen
Personal Website: ethanhuynh0710.github.io

EDUCATION

Texas A&M University, College Station, Texas

B.S. in Computer Science, Engineering Honors   GPA: 3.93 / 4.0
Relevant Coursework: Engineering Lab - Computation (ENGR 102), Introduction to Program Design and Concepts (CSCE 121), Data Structures and Algorithms (CSCE 221), Discrete Structures for Computing (CSCE 222), Computer Organization (CSCE 312), Programming Languages (CSCE 314)
Current Coursework (Spring 2022): Honors Introduction to Computer Systems (CSCE 313), Programming Studio (CSCE 315), Design and Analysis of Algorithms (CSCE 411), Seminar (CSCE 486)

TECHNICAL SKILLS

Languages: C/C++, Java, JavaScript, HTML/CSS, Python, SQL, Assembly, C#, Scheme

Technologies/Frameworks: Git, Linux, VS Code, PyCharm, Numpy, Ubuntu, Github, Eclipse, ASP.NET, Racket, AngularJS, ReactJS

PROJECTS

Minimax Chess AI | *HTML/CSS, Javascript, C++*
- Developed a chess AI that can evaluate up to 100000 positions per move in under a second using a minimax algorithm
- Utilized visually appealing animations and graphics using HTML/CSS and Javascript

Caption Comparator | *Java*
- Built a Java application that tokenized file input and differentiated outputted words between two captioning apps
- Utilized a Binary Search Tree to store and efficiently lookup statistics collected from the generated captions

Smart Planter | *C++*
- Led the development of a C++ application that generated optimal crop spacing for farmers using SFML graphics and a minimax algorithm
- **Winner** of the *HackPSU - PlantVillage Challenge*

Covid-19 Database | *SQL*
- Created a database that stored 150,000 rows of up-to-date Covid-19 data
- Utilized queries to identify trends between mortality and vaccination rates between countries and continents

AWARDS
- Dean's Honor Roll - Fall 2020 and Spring 2021
- Ranked #20 in schoolwide competitive programming contest (Fall 2020)

ACTIVITIES

Aggie Competitive Programming Club   *Aug. 2020 - Present*
- Learned competitive programming concepts and regularly competed in contests

Aggie Coding Club   *Aug. 2020 - Present*
- Learned essential computer science skills (Github, top-down, etc) and worked on projects with teams