

Brandon Ho

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EDUCATION

University of Texas at
Dallas
B.S. in Computer Science
EGD: Dec 2022
GPA: 3.98

TECHNICAL SKILLS

- Java
- Python
- SQL/MySQL/SQLite
- C/C++
- C#
- Flutter/Dart
- Unix/Linux

SELECTED COURSEWORK

- Computer Science II
- Computer Architecture
- Data Structures and
Introduction to Algorithmic
Analysis
- C/C++ in a Unix
Environment
- Advanced Algorithm
Design and Analysis
- Software Engineering

ACTIVITIES/HONORS

Academic Excellence Scholarship

- Full tuition waiver given
to incoming UTD
Freshmen who have
proven academic merit
throughout their high
school career.

Eagle Scout

- Highest achievement/
rank attainable in the Boy
Scouts of America given
to scouts who
demonstrate an attitude
based on the Scout Oath
and Law.

OBJECTIVE

Seeking an internship position related to the field of Computer Science where I can utilize my skills to attain personal and professional development and to contribute to organizational goals.

PROJECTS

Discord Bot Client (Current)

- Currently developing a bot client for the Discord application (VoIP platform) using Python, Discord API, SQLite, and PRAW (Reddit API for Python).

Command Parse Framework (June 2021)

- Developed a flexible command parsing framework that allows easy parsing of user-definable, parameterized commands for use with Python.

Flutter UI App (December 2020)

- Wrote a basic user interface application with custom animations and graphics using Flutter SDK and Dart.

Unity Game Development (July 2020)

- Developed a simple 2D game with custom graphics and event handling using Unity Real-Time Development Platform and C#.

Other Relevant Coursework Projects

- Worked in a small team of four people to develop and run queries against a database schema with various tables and relationships. The application was designed with MySQL to mock a database that would be used in a Digital Software Distribution Platform.
- Wrote a GUI-based Java program that compared the efficiency of various sorting algorithms visually and statistically.
- Developed a directory monitoring daemon service for UNIX/Linux in C/C++ that responded to various file operations in a directory by making version backups when appropriate.

EXPERIENCE

Polytronix, Inc. Intern (August 2021)

- Worked as an Engineering Intern at the Polytronix Machining and Fabrication Facility. Duties include keeping track of physical parts inventory and working with ERP systems (Enterprise resource planning systems) to keep track of facility resources.