**PERSONAL PROJECTS**

**SKILLS**

* Java
* C++/C
* MySQL
* Python
* JavaScript
* Django
* Selenium
* HTML
* CSS
* Kotlin

**EDUCATION**

* **Master of Science in Computer Science/Machine Learning** (Aug 2024 – Expected grad: Aug 2026).

Georgia Institute of Technology

* **Post-baccalaureate continuous education in Computer Science** (Aug 2023 - Aug 2024)

San Jose State University

*Relevant courses:*

* Data Structures and Algorithms
* Operating Systems
* Computer Architecture
* Object-oriented Design and Analysis
* Formal Languages and Computability
* Information Security
* **Associate degree in Computer Science** (April 2023 - April 2024)

De Anza College

*Relevant courses:*

* JavaScript
* Java Programming
* Calculus 1 & 2
* **BS in Business Admin/Finance**

San Jose State University

(Aug 2014 – Dec 2016).

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A blue and black logo

Description automatically generated[linkedin.com/in/johnhuynhh](http://www.linkedin.com/in/johnhuynhh)

A black cat in a circle

Description automatically generated[github.com/TeaUniverse](https://github.com/TeaUniverse)

* [**Forage**](https://drive.google.com/drive/folders/1K7LR3aItVm7ESEcje2Za11OIuw_z4FAb?usp=drive_link)**,** Mars Photos, Unscramble apps

(**Mobile App Development, Google Android Courses**)

* Created mobile apps with interactive design features. Skills: Kotlin, Jetpack Compose, SQLite database, Unit & UI Testing, MySQL.
* [**Social Network**](https://youtu.be/QpN_ZWLH2rI)**,** [**Auction**](https://youtu.be/77p6VBbLDI0)**,** [**Mail**](https://youtu.be/eYiBg8taBPo)

**(Full Stack Web Development)**

* Built fully functional applications that enhanced understanding of full-stack development, REST & testing. Skills: Python, Selenium, JavaScript, Django, SQLite database, HTTP Requests, HTML, CSS.
* **Text Search: Approximate** [**Pattern**](https://github.com/TeaUniverse/ApproximatePatternMatching.git) **Matching,** [**Exact Pattern Matching**](https://github.com/TeaUniverse/ExactPatternMatching.git) **(Algorithms on String, Spring 2020)**
* Searched for positions of all matches of a sequence of characters (pattern) in a text utilizing efficient algorithms. Skill: Python.
* [**Stock Trade**](https://www.youtube.com/watch?v=rX5OiznlW1I)**,** [**Wheel of Fortune**](https://drive.google.com/file/d/1xlBSOqHzobLp-7eJE7UAUNY5AS8wsmXa/view?usp=sharing). Skills: Python, MySQL, RESTful, Flask.
* [**Course Management**](https://drive.google.com/drive/folders/1UnvVQ0uun73JQeKX73lM6CBdVv1do6Iw?usp=sharing)**,** [**Earthquake map**](https://github.com/TeePlanet/EarthQuakeCityMap/blob/main/Screenshot%202023-02-21%20131345.png)**,** [**airport map**](https://github.com/TeePlanet/EarthQuakeCityMap/blob/main/Screenshot%202023-02-09%20221701.png). Skill: Java.
* [**Elastic Search** beginner’s crash course challenge/Level 2 credential](https://www.credential.net/d8c7421a-a521-4de9-958d-b0da681d072d)

**COURSE PROJECTS**

* **[Sim-Station and Simulations with Model-View-Controller](https://github.com/TeaUniverse/simstation)** (**Design Patterns,** Object-Oriented Design, Spring 2024)
* Collaborated with two other students in a team to determine project requirements and conduct code reviews in Discord meetings.
* Built MVC frameworks that the team used to develop simulations. Skills: Java, multi threads/agents, trigonometry/math, GitHub.
* [**Echo**](https://github.com/TeaUniverse/Echo) (**Object-Oriented Design**, **Design Patterns, Spring 2024)**
* Developed a multi-threaded program with sockets to handle multi-client requests and get responses from layers of proxy servers (cache, security) with quick access & security control. Skill: Java.
* [**Dijkstra’s shortest path algorithm**](https://drive.google.com/drive/folders/1nQeb4-kEWZGd4PvZkV8Ql1RHeX3jd9Y7?usp=sharing) **(Data Structures and Algorithms, Fall 2023)**
* Implemented Dijkstra’s algorithm to efficiently find the shortest path to other vertices from a vertex (single source). Skill: Java.
* **[Mastermind](https://drive.google.com/drive/folders/1G17Q0H59JriU_ZIs0DJ-E-Q3tYT4jPFz?usp=sharing) (JavaScript Front End Development)**
* Implemented programming logic for color guessing game. Skill: JavaScript (Fall 2023).
* [**User Input Validation**](https://drive.google.com/drive/folders/1b7BwuRmr741CdjcUIZTJV_vCOfmbKzWK?usp=sharing) **(JavaScript Front End Development, Fall 2023)**
* Created a front-end web program to validate user inputs for access control and accuracy. Skill: JavaScript.

**EXPERIENCE**

* **AOS Revenue Recognition Accountant – Varian (Oct 2023 – May 2024)**
* Collaborated with software developers, consultants, operations, accountants to debug, solve technical issues, & improve processes.
* **Accountant II – JSR North America Holdings (Oct 2022 – Feb 2023)**
* Automated daily bank reconciliation and financial data extraction with 5x faster by implementing a Java parsing program.
* Implemented sum target algorithm in **C++** to solve mismatches between payments and invoices.