Axel Tang

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ACADEMICS

University of Ottawa   2020 – 2023
Honours Bachelor of Science in Computer Science (Cum Laude)
- CGPA: 3.51/4.0
- Graduated Early From Expected
- Honours and Awards: Dean's Honour List, International Merit Scholarship

PROFESSIONAL EXPERIENCE

Founder   2016 – present
HumblexMC Server 🔗
- Developed multiple plugins for production environment using **Java for Paper platform**, and levaraged **Maven Bukkit API** for build automation.
- Created several **Batch Scripts** to automate server deployment and maintenance, improving overall system reliability by 90%.
- Developed server's official website and store, using **HTML**, **CSS**, **JavaScript** and utilized **Search Engine Optimization** on Google Search Console to improve pagerank from position 33 to 4.
- Led and managed a team of people working on the server by using project organization tools such as **Trello** and **Miro** to create and delegate tasks.
- Increase server growth through targeted advertising campaigns with approximately 465k views through promotional content and utilized strategic scaling of server resources to meet growth demand.

PROJECTS

Umple Software Developer 🔗
Honors Project
- Resolved a medium difficulty bug (Indicate all Extraneous Brackets: Detect and Warn and Allow Continuous Input Code) In the Online IDE version (UmpleOnline) and Compiler of UMPLE
- Participated in displayColor assignment bug and allow correct formatting
- Created new Windows Integration Tools for future developers with batch files

TechSupport Website 🔗
Frontend Design
- Developed frontend webstite for TechSupport Business
- Utilized **React** and **Bootstrap 5** to develop UI for the website
- Created Semantic Network , Heuristic Evaluations and Interactive Processes

2D AimTrainer 🔗
Desktop Application
- Created an Aim Trainer software in **C#** to improve aiming skills in FPS games
- Implemented a score counter and miss counter to keep track of player statistics
- Reducing target icon size per second by 10% after every iteration to increase difficulty

SKILLS

Languages
Fluent: Java, Python, C#, HTML,CSS
Proficient: MATLAB, Racket-Scheme, Prolog, GoLang, JavaScript (React, Node.js, Angular)

Quality Assurance
Junit, Selenium, JMH, EasyMocks, PitTest, JaCoCo, DBVisualizer

Database Management
PostgreSQL, MongoDB, SpringBoot, Firestore, RESTful APIs