Kevin Huy Trinh

in [LinkedIn](#) | 📱 737-877-4512 | 🌐 [kevintrinh.dev](#) | ✉️ kevintrinh1227@gmail.com | ⓞ [GitHub](#)

Skills

- C | JavaScript | Python | HTML | CSS | Node | React | Flask | SQL | MySQL | NoSQL | MongoDB | Restful API |
- AWS | CI | CD | Agile | OOP | Windows | Linux/Unix OS | Microsoft Office | Excel | Word | Git | GitHub | Open Source | Docker |
- Frontend | UI | UX | Backend | Full-Stack | Web Development | English, Vietnamese – *All professional proficiency or above*

Experience

CS Research Intern @ St. Mary's University, San Antonio, TX   05/2023 - 08/2023

language for a custom virtual machine.
- Conducted in-depth research on compiler design, focusing on high-level to low-level language translation.
- Developed a lightweight translator featuring parser, lexer, and semantic analyzer modules to convert custom code into assembly • Collaborated with mentors to refine skills and deepen understanding of language design principles and compiler methodologies.
- Presented research and project outcomes at multiple universities, demonstrating language processing and compiler design expertise.
- Conducted extensive literature review on language design, parsing techniques, and compiler optimization strategies, enhancing understanding of theoretical concepts.

Front End Developer @ NP Engagement, San Antonio, TX   08/2022 - 11/2022

- Maintained and updated numerous client websites and online services, ensuring peak performance and relevance with proficiency in HTML, CSS, JavaScript ES6, DNS, and WordPress Tools.
- Integrated custom API scripts, and optimized websites to fulfill unique client requirements and enhance user experience.
- Utilized my proficiency in WordPress, crafting visually stunning and highly functional platforms tailored to precise client specifications, ensuring optimal user engagement.
- Drove tangible business growth and significantly boosted client visibility and traffic by orchestrating cross-functional teamwork, applying my technical skills and strategic insights.

Projects

Prize Pick Predictions [View Source Code]   03/2024 - Present

- Created a full-stack application tailored for Prize Picks sports betting predictions using Python, Flask, Restful APIs, ReactJS, and MongoDB.
- Leveraged data analysis techniques to extract valuable insights from NBA data, enhancing prediction model accuracy.
- Developed algorithms with linear regression models, integrating player performance data and team Elo ratings to generate precise betting predictions.
- Employed AWS for scalable server hosting, ensuring reliability and high availability of the application.
- Showcased software engineering best practices, including Git version control, testing, and agile development throughout the project lifecycle.

Hycord Client [View Source Code]   12/2022 - Present

- Developed a Python Discord client integrating Hypixel API and playerDB API to visualize in-game data statistics and manage player authorization.
- Managed data for over 500+ server guild members using MySQL, providing a reliable storage solution for server member information.
- Implemented an efficient API cache system to optimize command execution and output retrieval, ensuring smooth performance even under heavy loads.
- Implemented Continuous Integration/Continuous Development (CI/CD) practices to facilitate seamless updates and maintain high-quality code standards.

Github Automated Followers [View Source Code]   04/2024 - 06-2024

- Designed and implemented a JavaScript Command Line Interface (CLI) program to boost profile growth, presence, and interactions on GitHub.
- Engineered an automated solution leveraging advanced algorithms meticulously crafted to emulate human interaction seamlessly, aiming to organically expand GitHub followership while strategically managing to follow and unfollow actions for a fluid and natural progression of interactions.
- Developed supplementary tools that seamlessly integrate with the CLI program, providing functionalities such as notifications, data visualization, daily/weekly/monthly reports, and other features to enhance user experience (UX) and streamline interaction management.

Education

University of Houston   *Houston, TX, USA*   08/2024 - 05/2027

- GPA: TBD
- Major in computer science. (Bachelors of Science)
- Activities and Awards: Cougar CS Club, Chess Club, UH Engineering CO-OP program.
- Relevant Coursework: Data Structures & Algorithms, Databases, Operating Systems, Software Engineering, Object Oriented.

San Antonio College   *San Antonio, TX, USA*   08/2023 - 05/2024

- GPA: 3.71
- Awards: Fall 2023 Deans List, Spring 2024 Deans List