

TRINH THE SON

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SOFTWARE ENGINEER INTERN

I am actively seeking a **software development internship** as a computer science student, with a strong desire to contribute to challenging projects. Possessing exceptional problem-solving skills and a collaborative mindset, I am motivated to continuously expand my expertise across various programming languages and technologies.

EDUCATION

Ho Chi Minh City, Vietnam	VNUHCM - University of Science	Oct 2020 - May 2024 (Expected)
<ul style="list-style-type: none">• Major: B.S. in Computer Science. In-Major GPA: 3.1/4.0• Coursework: Data Structures and Algorithms, Object-Oriented Programming, Artificial Intelligence, Software Engineering, Data Visualization, Web Development.		

SKILLS

- **Programming:** Python, C++. Familiar with HTML/CSS, JavaScript, SQL, Julia,
- **Frameworks/Libraries:** Django. Familiar with Express.js, htmx, Alpine.js
- **Tools:** Trello/Jira, Slack, Git/GitHub, Linux

EXPERIENCE

Programming Teacher	Algorithmics	Aug 2023 - Now
<ul style="list-style-type: none">• Guided and mentored children in Scratch programming, nurturing their curiosity and passion for coding, while enhancing their technical capabilities and problem-solving skills.• Collaborated with a programming tutor to create dynamic programming lesson plans in Scratch for children of different skill levels.		

PROJECTS

Blog Application Python, Django	Jul 2023
<ul style="list-style-type: none">• Implemented a fully functional blog application using the Django framework, allowing users to create, read, update, and delete blog posts.• Implemented role-based access control in a Django blog application using mixins, requiring users to be authenticated to view blog posts and restricting post creation to admin users only.• Utilized Django's built-in class-based view functionalities, such as ListView, DetailView, CreateView, and UpdateView, to handle common CRUD operations for blog posts, providing consistent and reusable code patterns.	

COVID-19 Analysis Python, BeautifulSoup, Pandas, Seaborn, scikit-learn	Mar 2023
<ul style="list-style-type: none">• Developed Python scripts to scrape Worldometer and extract real-time COVID-19 statistics from over 200 countries and territories.• Conducted data cleaning and preprocessing to ensure that COVID-19 data was accurate and reliable, removing missing or redundant data points and correcting errors.• Utilized data visualization tools to develop charts, and graphs to communicate insights and trends related to COVID-19 data in a clear and accessible manner.	

Sorting Visualizer C++, Raylib	Oct 2022
<ul style="list-style-type: none">• Developed a sorting visualizer in modern C++ using the Raylib library, which allows users to visualize over 30 different sorting algorithms.• Implemented a range of algorithms, including bubble sort, selection sort, insertion sort, merge sort, quicksort, and heap sort, among others, to provide users with a comprehensive understanding of different sorting techniques.• Built interactive visualizations that allow users to see how different sorting algorithms work in real-time, and how they compare to one another in terms of speed and efficiency.	

CERTIFICATE

Big-O Blue: Intermediate Algorithms	Big-O Coding	Jan 2023
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