

Hoa Ta

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EDUCATION

- **University of California, Irvine** Irvine, CA
Bachelor of Science in Computer Science June 2024
Relevant Coursework: Boolean Algebra, Software Engineering, Algorithms, Statistics, Machine Learning and Data Mining, User Interaction
Software, Intro Database Management
- **Orange Coast College** Costa Mesa, CA
Associates of Science in Computer Science; GPA: 3.96 May 2022
Relevant Coursework: Java 1, C++ 2, Computer Architecture, Data Structure, Discrete Structure, Calculus 2, Linear Algebra and Diff. Equations

SKILLS SUMMARY

- **Programming Languages/Tools:** Java, C/C++, Python, HTML, CSS, Javascript, Git/ GitHub, Visual Studio Code, PyCharm, Jupyter Notebook
- **Languages:** English, Vietnamese

EXPERIENCE

- **Computing Talent Initiative** Remote
Student Assistant Sept 2022 - Dec 2022
 - **Maintained Deep-Work Sessions:** Planned group activities to engage students and encourage attendance. Checked in with students to help them maintain good progress.
 - **Mentored and Supported Students:** Helped a group of 30 students with coding problems and answered questions related to the program and internship search.
 - **Monitored Attendees and Students' Progress:** Kept track of each student's progress, sent reminders, and nudged students to ensure sure they were working on their goals.
- **South Dakota State University** Brookings, SD
Undergraduate Student Researcher May 2022 - August 2022
 - **Analyzed Machine Learning Concepts and Deep Neural Network Algorithms:** Engaged in courses from Andrew Ng to understand fundamental machine learning concepts and deep neural networks.
 - **Studied Physics-Informed Neural Networks:** Investigated physics-informed neural network ideas from research papers and its Tensorflow implementation. Generated new data sets using MATLAB and conducted research on network performance resulting from different parameters.
 - **Presented Research Findings at Symposium and at a Conference:** Attended South Dakota EPSCoR Research Symposium to report findings on physics-informed neural networks and presented the findings to symposium attendees and at the AAAI conference.
- **Loan Factory** Garden Grove, CA
Loan Processor Sep 2019 - Aug 2020
 - **Processed Mortgage Loans:** Completed loan applications and processed the conditions following lender guidelines. Communicated with underwriters and third parties to expedite the loan process.
 - **Lead Manager and Customer Service:** Led a team of 10 processors for 3 months to help the office win a competition of closing loans with other branches. Communicated with clients and worked on building client relationships during the loan process.

ACADEMIC PROJECTS

- **Spotify Browser in Angular:** Implemented a Spotify Music Browser webpage that gathers data from the Spotify API and developed a frontend interface using Angular. The web application supports searching for artists, albums, and tracks by communicating with a backend server written in Node.js/Express to browse the music on Spotify. Added gestural control functionality using Handjack.js library allowing users to interact with the webpage using hand gestures.
- **Sleep Tracker in Ionic:** Applied design principles for mobile devices to create a Sleep Tracker app that allows users to log their sleep time during the day and night time. The app also provides the functionality to view the logged overnight sleep and sleepiness data.
- **Donors List Managing:** Collaboratively worked in a team of 5 classmates using C++ programming to manage donation data.

HONORS AND EXTRA CURRICULAR

- Member of Phi Theta Kappa Honor Society - an international honor society of college students who have outstanding academic performance.
- Attended Computing Talent Initiative (CTI) - an accelerated program to strengthen problem solving skills, Python programming skills, along with teamwork and communication skills.