Christopher Beauchamp

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EDUCATION

Cal State University Dominguez Hills   May 2026
Bachelor of Science, **Computer Science,** Minor in **Physics**

- Fall 2024 GPA: 4.0
- Cumulative GPA: 3.8
- Vice President of CSUDH IEEE Branch:
    - Represented CSUDH at this year's IEEE Rising Stars Conference
    - Organized a presentation on campus regarding deep learning in cancer detection by Dr.Hooshmand

EXPERIENCE

Student Researcher - *CAHSI LREU Program - Spring Session ,* Carson, CA   February 2025 - Present

- Enhancing Multilingual Communication through Low-Resource Neural Machine Translation
- Currently learning PyTorch and neural machine language processes

Student Researcher - *CAHSI LREU Program - Fall Session ,* Carson, CA   Oct 2024 - February 2025

- Applied knowledge of algorithms & data structures to simulate a battery constrained robot traversing through a network of sensor nodes in java
- Collaborated with seasoned student researchers to optimize current traversal algorithms & brainstorm ideas for additional ones
- Visualized data using Origin Lab, JGraphX, & Excel
- Presenting research paper/poster at CSUDH Student Research Day & CSCSU conference in March & April

Computer Science Scholar - *California State University Dominguez Hills*, Carson, CA   July 2024 - Oct 2024

- Troubleshot 3D printers, showcased printing process to students, ensured software was kept up to date
- Taught programming principles to elementary students in the fall through Swift Playgrounds
- Assisted in developing a curriculum that illustrates programming concepts through real-life examples

Test Technician Intern - S*tellar Pizza*, Hawthorne, CA   Nov 2021 - Oct 2023

- Responsible for ensuring pizza making robot was safely assembled before deployment
- Used calipers and torque wrenches to ensure precision during assembly
- Communicated with lead engineers using Jira's issue ticket system
- Wrote out assembly guides for machinery on Confluence
- Recorded test data on new additions to robot using Excel

PROFESSIONAL DEVELOPMENT

NASA - L'Space Proposal Writing Workshop   June 2024 - Aug 2024

- Collaborated with a team of ten programmers to design a comprehensive proposal for a new technology report
- Identified NASA's pain points during space travel and how technology can be used to deal with them
- Participated in a proposal review panel, providing critical feedback on proposals & gaining insight on how they're scored by NASA reviewers

PROJECTS

MERN Stack Ecommerce Website - https://github.com/TopherBeauchamp/RecordStore

- Building an Ecommerce website where my band's merchandise & various used music memorabilia will be sold
- Frontend Technologies - React.js (building UI components), Redux.js (state management)
- Backend Technologies - Node.js (runtime environment), Express.js (APIs & middleware), MongoDB (database - storing user, product, and order data), JWT (user auth)

SKILLS

Tools: *Github, Jira, Confluence, VScode, Excel*   **Technologies:** *Express.js, Node.js, React.js, Redux.js, Git, MongoDB*
Programming Languages: *Java, Swift, JavaScript, Python*