

Dean Frame

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Availability: January - August 2022

Education

Northeastern University, Boston, MA

Sept 2019 - Present

Candidate for Bachelor of Science Degree in Computer Science

May 2023

Honors: University Honors Program, Dean's List

Relevant Coursework: Object-Oriented Design, Computer Systems, Algorithms & Data, Mathematics of Data Models, Database Design, Honors Discrete Structures, Accelerated Fundamentals of Computer Science 1 & 2

Activities: Volunteer Tutor @ 826 Boston, Northeastern Pep Band Member, Northeastern Concert Band Member

Arcadia High School, Arcadia, CA

Sept 2015 - June 2019

Honors: Salutatorian, California Scholarship Federation

Activities: Drumline (student leader, placed top 3 in national competitions), Boy Scouts (Eagle Scout)

Technical Knowledge

- Languages: Java, PHP, SQL, HTML, CSS/SASS, JavaScript, GraphQL, C, Python
 - Systems/Technologies: React, JUnit, PHPUnit, Kubernetes, Bootstrap, Git, GitHub, Agile, Scrum
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Experience

Software Engineering Co-op

Jan 2021 - Aug 2021

Wayfair LLC, Remote

- Built internal web application using React, PHP, MS SQL Server, PHPUnit to visualize how a complex algorithm selects product images. Owned project from start to finish: drafted technical implementation proposals, scoped project into tickets for agile development, and presented application to stakeholders
- Implemented caching system with PHP to improve product image algorithm performance by 75%
- Assisted team with company-wide transition into microservice architecture by creating presentations and internal documentation for technologies such as Kubernetes
- Contributed to refactoring of 10,000+ line god object into separate services using OOP design patterns

Teacher Assistant for Discrete Structures

Sept 2020 - Dec 2020

Khoury College of Computer Sciences, Boston, MA

- Cultivated student comprehension of discrete mathematics concepts by hosting 5+ office hours per week
 - Evaluated student performance by quickly and accurately grading assignments and examinations
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Projects

Holly Avenue Elementary School PTA Website

July 2020 - Dec 2020

- Designed a website using HTML, CSS, JavaScript, and Bootstrap for a local elementary school PTA
- Utilized Google Translate API to ensure website was readable for school parents who didn't know English

Personal Website (in progress)

Sept 2020 - Present

- Implemented a personal website using Three.js, HTML, CSS to showcase projects and links
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Interests: Volunteering, Teaching, Drums, Drum Corps, Indoor Percussion, Hiking, NFL, NBA