

# Margarita Leonova

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## EDUCATION

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### University of California San Diego

*Bachelor of Science (B.S.) in Computer Science, GPA: 3.77/4.0*

La Jolla, CA

Sep. 2020 – Dec. 2022

### Codepath

*Certificate in Intermediate Software Engineering*

Remote

May 2022 – Aug. 2022

### West Los Angeles College

*Associate's in Science for Transfer (AS-T), GPA: 3.96/4.0*

Los Angeles, CA

Aug. 2016 – June 2020

## EXPERIENCE

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### Volunteer Front-End Developer

*Domere Interiors, LLC*

May 2023 – Present

Los Angeles, CA

- Designed and developed a website for an interior design business using Figma and Webflow
- Developed website content, including landing pages, blog posts, and marketing materials
- Collaborated with the marketing team to optimize the website for SEO
- Ensured the website was responsive and performed well on all devices

### Application Development Intern

*Los Angeles Department of Transportation*

Mar. 2019 – June 2019

Los Angeles, CA

- Assisted in a development of an interactive widget for tourists and cyclists using HTML, CSS, JavaScript and the Google Maps API
- Created user-friendly interfaces for locating the closest attractions via public transportation and bike lanes
- Implemented responsive design principles for seamless functionality across devices

## PROJECTS

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### Walking Wasp Simulation | C++, OpenGL

- Rendered a walking wasp scene with C++/OpenGL
- Calculated forward kinematics to generate world space matrices for each joint in the wasp's skeleton
- Generated skin using the smooth skin algorithm
- Computed animation runtime with multiple channels and keyframes using Cubic Hermite Splines
- Developed an interactive GUI to adjust joint values

### Student Management System | Java, SQL

- Developed a desktop application to manage student enrollment
- Created database using MySQL workbench that holds information about students, professors, departments and courses
- Developed interactive graphical user interface using JavaFX

## TECHNICAL SKILLS

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**Languages:** Java, SQL, Python, C/C++, JavaScript, HTML/CSS

**Tools:** Bootstrap, Git, VS Code, Visual Studio, Jupiter, Spyder, IntelliJ, Eclipse, Figma, Webflow

## RELEVANT COURSEWORK

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Data Structures | Algorithms | Software Engineering | Digital Systems | Intro to Computer Architecture | Operating Systems | Robotic Planning and Estimation | Web Mining and Recommender Systems | Intro to AI: Search and Reasoning | Theory of Computation | Computer Graphics | Computer Animation

## INTERESTS

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Robotics | Hardware Engineering | Software Development | Machine Learning | Computer Animation | UI/UX