

Mathew Kramsch

UCSB COMPUTER SCIENCE STUDENT • FULL-STACK SOFTWARE DEVELOPER

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Education

University of California, Santa Barbara

Expected Graduation: Jun. 2022

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Sep. 2017 - Jun. 2022

- **Relevant Courses:** Data Structures and Algorithms I,II • Object Oriented Design and Implementation
Advanced Applications Programming • Team-based Web-App Development Project • Computational Science • Computer Architecture
Computer Organization and Logic Design • Database Systems • Computer Communication Networking • Operating Systems
- **GPA:** 3.54

Projects

Isla Vista Housing Search

Isla Vista, CA

UC SANTA BARBARA

Mar. 2020 - Jun. 2020

Web application designed to facilitate the housing search process in Isla Vista.

- Allowed users looking to find potential sublease tenants to login and post house listings
- Allowed users looking to find housing to filter and sort available housing according to price, size, and location preferences
- Maintained a MongoDB database to manage and store housing data
- Integrated with Mapbox API to visually compare housing listings
- Developed in a team of five, utilized GitHub for collaborative programming using Git, project organization, and project management
- Built with JavaScript, HTML/CSS, React, Next.js, Node.js

Front-End Web Development Online Course

Santa Barbara, CA

THE ODIN PROJECT

Jun. 2020 - Sep. 2020

A roughly 500 hour long intensive online course in front-end web development, JavaScript, HTML, and CSS.

- Covered in-depth JavaScript, HTML, and CSS, website deployment, Git, using developer tools
- Took course to obtain a thorough knowledge of Vanilla JavaScript and UI design (despite having previous experience with React)
- Attained proficiency in front-end web development, and JavaScript, HTML, and CSS
- Coursework involved over 10 web development projects including landing pages for hypothetical companies, JavaScript games complete with user interfaces, various in-browser JavaScript utility applications

Responsive Web Design Online Course/Certification

Santa Barbara, CA

FREECODECAMP

Aug. 2020 - Sep. 2020

A roughly 300 hour long online course in HTML and CSS (more in-depth into HTML and CSS than The Odin Project).

- Course covered Search Engine Optimization and accessibility practices using HTML and HTML5
- Advanced visual design with CSS, CSS animation and graphic creation
- Complex webpage layouts with CSS Grid, dynamic and responsive webpage layouts with CSS Flexbox
- Coursework involved 5 webpage projects including a tribute webpage, a survey form, a product landing page, a technical documentation page, and a personal portfolio webpage

Skills

Programming Languages: C • C++ • Java • Python • JavaScript • HTML/CSS • LaTeX

Tools & Technologies: React • Next.js • SASS • Node.js • MongoDB • SQL • Datalog • Git • GitHub • Jupyter Notebook • Heroku

Industry Skills: Object-Oriented Programming • Agile Methodologies • Test-Driven Development • Continuous Integration

User Experience Design • Team Programming • Server & Database Management • Algorithm Optimization

Search Engine Optimization • Socket & Kernel Programming • Client/Server Communication • Scientific Computation

Work Experience

Hope Refuge

Santa Ynez, CA

LINE COOK

Mar. 2020 - Nov. 2020

Worked as a cook for a newly opened non-profit residential therapeutic and rehabilitative program for teenagers.

UC Police Department

Santa Barbara, CA

COMMUNITY SERVICE OFFICER

Sep. 2019 - Mar. 2020

Security guard for UCSB residence halls, campus buildings, and UCSB events. Communicated with UC Police Department dispatch via radio.

Interests

Linux desktop configuration and distribution hopping • Development Environment customization • UI/UX Design • 90's JDM cars