# Mathew **Kramsch**

UCSB COMPUTER SCIENCE STUDENT · FULL-STACK SOFTWARE DEVELOPER

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## Education

**University of California, Santa Barbara** *Expededed 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 • Automata and Formal Languages • Computer Communication Networking
- **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++ • Java • Python • JavaScript • HTML/CSS • LaTeX

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

**Industry Skills:** Object-Oriented Programming • Agile Methodologies • Test-Driven Development • Database Management
Server Management • Continuous Integration • User Experience Design • Team Programming

## 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 configuration and Linux "distro-hopping" • Development Environment customization • UI/UX Design • 90's cars • Guitar