Mathew **Kramsch**

UCSB Computer Science Student · Full-Stack Software Developer

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mathewkramsch.com

Education

University of California, Santa Barbara   *Expecteded 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 · 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 desktop configuration and distribution hopping · Development Environment customization · UI/UX Design · 90's JDM cars