

# Aden Krakman

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## EDUCATION

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### University of Illinois Urbana-Champaign

May 2025

*Bachelors of Science in Computer Science + Music*

- **GPA: 3.7**, James Scholar Spring 2022
- Relevant Coursework: Data Structures, Discrete Structures, Software Design Lab, Probability and Statistics in Computer Science, Intro to Computer Science I and II.

## EXPERIENCE

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### UIUC Department of Computer Science

January 2022 – Present

*Undergraduate Course Associate*

- Hosted lab sessions, 10 office hours weekly, and reviewed code for CS 124: Introduction to Computer Science I.
- Created course content and answered questions to make content more accessible for course with ~800 students.
- Successfully taught Java, Android Studio, and certain API principles, leading to a median final class grade of 90%.

### Association for Computing Machinery (ACM)

June 2022 – Present

*Software Developer*

- Implemented UIUC ACM's redesigned website with React as the front-end using a client's Figma design.
- Used Storybook and team collaboration to display events, club information, and member accounts seen by 300 students per month.
- TBD bullet point: Developed user systems using Python and PostgreSQL to lay the foundations for a robust back-end.

### UIUC Department of Computer Science

August 2022 – Present

*Course Project Manager*

- Managed a cross-functional team of honor student developers to guide them in their semester project.
- Held weekly meetings to enforce, encourage, and adapt goals, leading to involvement and high quality product.
- Taught concepts and guided the team in their presentation and eventual success.

## PROJECTS

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### Chess Positions | *JavaScript, Python, Pandas, React, Flask*

- Created a full-stack web app with JavaScript/React displaying a front-end chess theme for users to choose their favorite of two chess positions.
- Served a REST API with Flask and Pandas library to search, sort, and export data to Excel spreadsheets.
- Utilized a 3rd party API to make get requests and standardize the display.

### EZMoney | *Java, JavaScript, HTML/CSS*

- Implemented a currency conversion web app in Java and JavaScript to request 3rd party API data and to show the user interface.
- Communicated with my team to manage goals, handle lacking collaboration, and distribute workload.

### Personal Website | *Gatsby, React*

- Built a static website with React and CSS and used the site generator Gatsby for development.
- Deployed the project with Netlify while using Github for continuous development.

## TECHNICAL SKILLS

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

**Libraries & Frameworks:** React, Flask, Node.js, Pandas, Numpy

**Developer Tools:** Storybook, Git, Docker, Figma