

# Duncan Krey

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## EDUCATION

**University of Washington** – GPA: 3.73, Dean's List (7 quarters)

**September 2019 – June 2023**

Bachelor of Science in Informatics – Emphasis in Human-Computer Interaction

**Seattle, WA**

**Relevant Coursework:** Client-Side Development, Server-Side Development, Web Programming, Data Structures and Algorithms, Relational Databases and Data Modeling, Mobile iOS Development, Data Analysis Using Python, Information Ethics and Policy

**Certifications:** Modern React with Redux, React Testing Library and Jest, The Complete SASS Course

## EXPERIENCE

**Frontend Developer**

**October 2022 – June 2023**

*NEXUS UW*

*Seattle, WA*

- Programmed dynamic React components in JavaScript to create a hub for students to discover and engage in local projects
- Implemented user testing and feedback to drive impactful stylistic and functional enhancements, optimizing user experience
- Collaborated across 4 different teams to bring the website to life through a fusion of design and functionality
- Ensured seamless integration between the frontend and the database connection by working closely with the backend team

**Teaching Assistant**

**September 2022 – June 2023**

*UW Information School*

*Seattle, WA*

- Delivered weekly instruction to a cohort of 25-30 students on information systems and the design of user interfaces
- Collaborated with a dynamic teaching team to craft innovative course material and timeline for relevant coursework
- Provided comprehensive support by addressing student inquiries regarding course content and logistics

**Research Assistant, AI Literacy**

**October 2021 – April 2022**

*UW AI Literacy Lab*

*Seattle, WA*

- Developed a web app that teaches coding to children, leveraging JavaScript, React libraries, and a Scratch interface
- Collaborated with a team of developers to create a Wizard of Oz app to imitate AI for user testing
- Engaged in insightful discussions on AI literacy with families and children, gaining deeper stakeholder understanding
- Executed impactful community-based research with families, focusing on AI literacy for valuable insights

**Social Chair**

**February 2022 – March 2023**

*Alpha Theta Delta*

*Seattle, WA*

- Orchestrated social events, fostering a tight-knit brotherhood community through diligent planning and management
- Created comprehensive event plans, long-term deadlines, and logistical frameworks for executive board evaluation
- Spearheaded external events and forged partnerships, driving fraternity expansion and outreach efforts

## SELECTED PROJECTS

**HEART - Senior Capstone Lead Developer**

**January 2023 – May 2023**

- Engineered a cutting-edge mobile web app that empowers UW students to showcase their creative journey, featuring a social media-inspired platform with an intuitive and visually captivating user interface
- Spearheaded the end-to-end development of a full-stack application, employing JavaScript, React, and Firebase for seamless management of user-profiles and dynamic post content
- Collaborated with a PM and design team, ensuring on-time delivery of a product in alignment with the original design

**On-Demand Travel**

**January 2021 – March 2021**

- Developed a robust full-stack web application utilizing JavaScript, React, and Firebase, securely managing user data
- Collaborated with a team of developers to pioneer an innovative online trip-planning service, delivering immersive virtual travel experiences to users stuck at home during the pandemic
- Engineered a versatile and inclusive UI, ensuring seamless accessibility across mobile devices as well as computers

## SKILLS

- Technical: Expertise in JavaScript, React (Redux), HTML/CSS, REST APIs, SQL; Experienced with Java, Python, Swift, R
- Platforms and Tools: Git, VS Code, Node.js, Next.js, Jest, SASS, Bootstrap, Tailwind CSS, RStudio, XCode