

Ethan Krug

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EDUCATION

Bachelor of Science in Computer Science

Graduated June 2022

Minor: **Mathematics**

Central Washington University, Ellensburg, WA

GPA: 3.896 / 4.000

Related Coursework

Linear Algebra, Advanced Data Structures and File Processing, Technical Writing, Advanced Software Engineering, Database Management Systems, Algorithm Analysis, Computer Network and Data Communications, Computational Intelligence and Machine Learning, Scientific Computing, Operating Systems, Optimization

Leadership/Achievements/Activities

UW Tennis Club

2018 - 2019

Volunteer food sorter, Food Lifeline, Seattle WA

Jan. 2019 - March 2019

CWU Tennis Club

2021 - 2022

CWU Robotics Club

2021

Dean's List

Sept. 2020 - June 2022

SKILLS

Computer Languages: C/C++, CSS, HTML 5, Java, JavaScript, Python, Typescript

Tools/Libraries: Git, Material UI, Matplotlib, NumPy, React.js

Software: Figma, GitHub, Google Docs Editors (Docs, Forms, Sheets), Google Firebase Suite, Linux, Microsoft Office (Excel, PowerPoint, Word), Trello, Visual Studio Code

Languages: English (Native), Spanish (Intermediate)

WORK EXPERIENCE

Full-Stack Developer (Volunteer), Academics Are Cool, Richland WA June 2021 - Sept. 2022

- Designed a new website using React.js and Material UI
- Handled user and website information using the NoSQL Cloud Firestore
- Managed competition registration using Google Sheets, Forms, and Firebase
- Created a Content Management System to aid less technical administrators

Remote Operations Technician, Strive Tech Inc., Kennewick, WA
Sept. 2019

June -

- Installed and initialized technologies at assigned regional bank locations
- Verified bank site conditions for future installations
- Maintained, repaired, and installed equipment at Smile Surfers dental office
- Educated staff on new technologies

ADDITIONAL EXPERIENCE

React Web Developer, Freelance, Richland WA April 2023 - Present

- Created my personal website using React and Material UI with Typescript
- Handled blog posts on my website using GitHub as a Content Management System
- Utilized Orama Search to allow the user to search my blog posts
- Displayed 3D renderings using React Three, a React encapsulation for Three.js
- Experimented with different aspects of website design

Simulation Developer, Freelance, Richland, WA Nov. 2022 - Present

- Developed a visualizer for path-finding and graph-search algorithms in Python
- Researched, implemented, and created numerous algorithms
- Added testing functionality to extract data and compare implemented algorithms
- Translated the application into a website using Typescript and React

React Native Developer, KiwiLink, Seattle, WA Dec. 2019 - July 2020

- Collaborated with a team of a dozen or more people
- Ideated design and app layout using Figma
- Created basic profile page

React Web Developer, CWU, Ellensburg, WA Jan. - March 2022

- Developed a web application with a team using Agile methodologies
- Constructed the user interface using React.js and Material UI
- Directed daily SCRUM meetings to analyze progress
- Convened weekly meetings with project manager to assess difficulties