

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

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, PyGame, React.js

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

Languages: English (Native), Spanish (Intermediate)

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

React Web Developer, 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
- Implemented quality-of-life changes to aid less technical users

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

June – Sept. 2019

- 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

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

March – June 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

Python Programmer, Freelance, Richland, WA

Nov. 2022 – Present

- Developed a visualizer for path-finding and graph-search algorithms
- Researched, implemented, and created numerous algorithms
- Added testing functionality to extract data and compare implemented algorithms

Java Programmer, CWU, Ellensburg, WA

March – June 2022

- Constructed an Object Oriented library of functions to test optimization algorithms
- Generated documentation using Doxygen

Python Programmer, CWU, Ellensburg, WA

Nov. – Dec. 2021

- Utilized scikit-learn models to analyze various sets of data
- Compared the results between different models to understand their pros and cons