Ethan Krug

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EDUCATION

Bachelor of Science in Computer Science   September 2020 - June 2022
   Minor: **Mathematics**
Central Washington University, Ellensburg, WA
GPA: 3.896 / 4.000

SKILLS

Computer Languages: C#, CSS, HTML, Java, JavaScript, Python, SQL, Typescript
Tools/Libraries: ASP.NET Core, Git, jQuery, Material UI, React.js
Software: GitHub, Google Linux, MS SQL Server, Visual Studio, Visual Studio Code
Languages: English (Native), Spanish (Intermediate)

WORK EXPERIENCE

Software Engineer, Wyckoff Farms, Grandview WA   Nov. 2023 – Present
- Created websites using the ASP.NET Core framework combined with Entity Framework Core to interface with the MS SQL Server database for the application.
- Utilized jQuery to provided extended functionality to each application.
- Converted old systems to web-based systems (Access DB, Excel files, etc.)
- Created Windows Services to interface with RESTful APIs to pull the latest data needed for the business analysts.
- Reports created using SSRS and Crystal Reports
- Work automation using Python

Full-Stack Developer (Volunteer), Academics Are Cool, Richland WA   June 2021 – July 2023
- 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 (CMS) for the website with a GUI to aid less technical administrators

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

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 CMS
- Utilized Orama Search to allow the user to search/filter blog posts
- Implemented an RSS feed for the blog in conjunction with an XML generator for said feed
- Experimented with different aspects of website design

Simulation Developer, Freelance, Richland, WA   Nov. 2022 – Sept. 2023
- 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 using React Native

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