Zhuo Chen

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Github: https://github.com/ZhuoChenP

Related Skills and Knowledge

Technical

- Apply a wide variety of software construction techniques and tools, including statebased, table driven approaches and design patterns to low-level design of software. (eg. UML, Creational Design patterns).
- Design user interfaces based on usability engineering, task analysis and user-centered design(eg. Affordances, Signifiers, Constraints)
- Ability to learn and explore tools and standards in the software testing ecosystem. Continuous integration and continuous deployment (eg. Black Box Testing, White Box Testing)
- Review of principles of object orientation, analysis the project environment, project planning, executing and closing. (eg. SOLID, Agile, Kanban Board)
- Apply Frameworks and APIs. Analysis, design and programming of simple servers and clients. Introduction to the client-server architecture.(eg. Node.js, MongoDb, Express.js, React.js)
- *Courses include*: Software Systems Design, People Centered Design, Software Testing and Validation,Software Engineering Management.

Research & Projects

University of Regina(academic)
Covid BusinessPro Web Application 09-12/2020
- Creation of a contact tracing app that allows an organization to review chain of contacts within the business.
- Technologies used: HTML, PHP, JQuery, CSS

IABC Website Redesign 01-04/2021
- Exploring the design and development of a new website for the International Association of Business Communicators Regina Chapter(IABC Regina).
- Technologies used: Adobe XD, StoriesOnBoard, Github, WordPress

Self-navigation Rover 01-04/2021
- Independently developing a rover to navigate the course, detect obstacles and targets.
- Technologies used: Keil uVision5, C

Computer Skills

- Operating Systems: Windows & Unix, Linux
- Software Applications: Microsoft Office, Oracle, WordPress, Adobe XD, Jenkins, Git, GitHub, VS Code, Eclipse, Visual Studio, Maven, Gradle, Junit, Keil uVision5, Docker, Docker Hub
- Programming: C/C++, Java, JavaScript, Python, Assembly, MySQL, PHP, CSS, HTML, Mongoose,MongoDB, EJS, VHDL, Node.js, React.js, Express.js
- Others: AutoCAD, Inventor, SolidWorks

Education

Bachelor of Applied Science - Software Systems Engineering

September 2014 - April 2023, University of Regina, Regina, SK

Diploma of Vocational Studies - Industrial Drafting
September 2016 - March 2018, Rosemount Technology Centre, Montreal, QC

Working Experience

Drafter(internship) 1-2/2018

Reno Design Hongyi Inc, Brossard, QC
- Measuring and verifying the manufactured furniture
- Drafting parts in 2D and 3D.

Hobbies

Playing pool and badminton

References

Available by Request