

Email: ryuzu001@ucr.edu

EDUCATION

University of California, Riverside

B.S., Computer Science

June 2019

Dean's List, National Society of Collegiate Scholars

TECHNICAL EXPERIENCE

Coursework/Experience

- **Software Engineering Intern – Raytheon (June - September 2018)**
 - Used VectorCast and Wind River Workbench to unit test hand/autogenerated code to achieve modified statement/MCDC coverage as part of the JPALS software engineering team.
- **CS100 – Software Construction**
 - Developed skills in implementation strategies, programming, debugging, performance evaluation, environment tools, and development processes.
- **CS166 – Database Management Systems**
 - Covered the architecture, implementation and models of a DBMS
 - Introduced query languages, mainly PostgreSQL
- **CS180 – Software Engineering**
 - A study of software engineering techniques for the development, maintenance, and evolution of large scale software systems.

Projects

- **Rshell – C++**
 - Custom implementation of a Linux shell
 - Implemented system calls, piping, forking
 - <https://github.com/ryuzu001/rshell>
- **/r/UCR subreddit stylesheet - CSS**
 - Custom styling for the UCR subreddit; over 9000 subscribed users
 - <https://ucr.reddit.com/about/stylesheet>
- **Ray Tracer – C++**
 - Rendering of 3D objects in a 2D environment using OpenGL
 - Implemented reflection, refraction and Phong shading
 - https://github.com/ryuzu001/ray_tracer

Languages/Software

- **Comfortable:** C/C++, Microsoft Office, Windows/Linux, Adobe Photoshop
 - **Familiar:** Python, Java, PostgreSQL, HTML, CSS, Vi/Vim, Git/Github, ClearCase
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ADDITIONAL EXPERIENCE

Awards/Leadership

- **Eagle Scout** August 2014
 - Eagle Scout project was to organize, plan and lead scouts/parents to renovate two playground equipment rooms.
- **Merit Badge Counselor** June 2016 – August 2017
 - Instructed and led groups of Boy Scouts through curriculum required to earn Eagle required merit badges (Citizenship in the Nation)
 - Office work, such as scheduling classes and check-in for scouts.
 - Spotter for the pool and waterfront to prevent drowning
 - Food prep and service for overnight campers.