Ronnie Delos Santos

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https://rin.dev

Second-year computer science major at the University of Portland.

EXPERIENCE:

University of Portland, Portland OR — *Malawi Engineering Capstone*

January 2024 - Present

Architecting and deploying end-to-end tested full-stack academic recordkeeping systems for secondary schools and borehole catalog systems for the country of Malawi.

Collaborated with Malawi government officials and educators from St. Mary's Secondary School and the University of Mzuzu to gather feedback and iteratively improve projects, focusing on user-centric design and addressing real-world challenges faced by educational institutions.

Delivered an impactful talk to 50 students at St. Mary's Secondary School, inspiring and educating them on the importance and application of computer science.

Actively participated in cultural exchange activities, including workshops and training sessions, to educate community members and students on scholarship and grant writing best practices.

TypeScript, Node.js, Next.js, React, Linux, Ansible, Docker, Kubernetes, PostgreSQL, React, Vitest, Cypress, Tailscale

University of Portland, Portland OR — *Computer Science Undergraduate Researcher*

September 2023 - Present

Developing IoT solutions for water irrigation monitoring in Malawi, Africa.

C/C++, IoT, Arduino/embedded, Raspberry Pi, protocols (I2C, SPI, LoRa), SSH

Mat-Su CNA Training Program LLC, Palmer AK — *Front-End Developer*

June 2022 - August 2022

Worked with client to gather information and input for company website design. TypeScript, TailwindCSS, Next.js.

Maple Springs of Palmer, Palmer AK — *Certified Nursing Assistant*

September 2021 - July 2022

Assist patients with ADLs, assist nurses with care of residents, measure and record patient vital signs, assist with restorative care.

Caring Hands Assisted Living Facility, Wasilla AK — *Caregiver*

August 2021

Providing living assistance to elderly and disabled patients, including companionship, personal care, transport, and homemaking.

EDUCATION:

Wasilla High School

University of Anchorage Alaska

Mat-Su CNA Nurse Aide Certificate Program

University of Portland pursuing B.S.C.S.

LICENSE & CERTIFICATION:

Alaska CNA License 185056

Basic Life Support (BLS) Certification

REFERENCES:

Jeff Parrish, 10+ years software engineering, CTO (mentor)

Angie Thursby, RN (mentor)

Martin Cenek, PhD (undergraduate advisor)

AWARDS:

2024 Gilman Scholar

2021 AP Scholar with Honor

Forking Software LLC, Remote — *Programmer*

August 2021 - December 2021 (Contract)

Freelance technical writing and consultation as a computer programmer.

McDonalds/MRD Inc., Wasilla AK — *Crew Member*

July 2020 - March 2021

Greeting customers, operating various tools and equipment to prepare food, promoting special deals, maintaining cleanliness, operating a cash register.