Daniel Sarran

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EDUCATION

Oregon State University — Dec 2022
Bachelor of Science in Computer Science, Cumulative GPA: 4.0 — *Corvallis, OR*

University of California: San Diego — Jun 2008
Bachelor of Arts in Interdisciplinary Computing in the Arts and Media: Music Emphasis — *La Jolla, CA*

PROJECTS

Hunt | *Python, Qt (PySide6/QML/Javascript), SQL* | github.com/daniel-sarran/Hunt — Mar 2021–Present
- A CRM platform for students to efficiently organize job searches
- Developed frontend using Qt framework's (Python/QML/Javascript) signal-and-slot tooling to connect frontend/backend event flow and provide application interactivity
- Created backend using Python to serve SQL queries and achieve data persistence (job logging/tracking/updating)

Parity Portfolio | *Python (Flask), JavaScript* | parity-portfolio.herokuapp.com/ — Apr 2021
- A financial tool visualizing and facilitating investment portfolio rebalancing trades
- Full-stack web application using SQLite, Flask, and JavaScript styled through CSS and Bootstrap
- Collaborated with team of four developers, directed application concept, and managed user interface and styling

Janggi | *Python* | github.com/daniel-sarran/Janggi-Game — Mar 2021
- A console implementation of "Janggi" often referred to as "Korean Chess"
- Utilized object-oriented programming principles of abstraction, inheritance, encapsulation, and polymorphism to break down relationship between game pieces, game board, and players

EXPERIENCE

Teaching Assistant: Discrete Mathematics — Jan 2021–Mar 2021
Oregon State University — *Corvallis, OR*
- Taught, tutored, and graded coursework on a team of five teaching assistants for 200+ computer science students
- Volunteered to coordinate, arrange, and facilitate live pre-exam review sessions to ensure consolidation of core course concepts, attended by 30-50 students per session

Wealth Management Advisor — Mar 2018–Nov 2020
Teachers Insurance and Annuity Association (TIAA) — *San Diego, CA*
- Led wealth management team supporting 400+ clients with full-service financial planning suite
- Guided retirees through 2020 pandemic market crash, identified concerns and customized financial plans; finished fiscal year with best-in-class client satisfaction surveys (96.7% net promoter)

EXTRACURRICULARS

Oregon State University Hackathon Club — Sep 2020–Present
Member
- Compete in Hackathons and weekly HackerRank competitions to reinforce fundamentals and experiment with new technologies, frameworks, and programming concepts

Sweetwater Zen Center — Jan 2020–Present
Board Treasurer
- Lead and advise on financial direction of center, translate financial concepts into business tradeoffs and impact
- Provide insights on financial health and outlook of center; review balance sheet, profit and loss, etc. quarterly

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML5/CSS3
Frameworks and Developer Tools: Flask, Qt, Bootstrap, Git, Vim