

# Jhensen Ray Agni

## Software Engineer

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## ENGINEERING WORK EXPERIENCE

### Software Engineer Intern

Sep 2021 – Oct 2021

*Rithm School, Inc. | San Francisco, CA*

- Designed features using **Django** that allows staff members to view the designated responsible individual for exercises, lectures, and events on multiple views.
- Implemented cache clearing when adding, updating, or removing assets on the production application.
- Migrated the backend caching system from local memory caching to **Redis** to improve scalability and performance
- Maintained 100% test coverage with unit tests and integration tests for newly built features.

### Mechanical Test Engineer

Oct 2020 – Jun 2021

*Honeywell Aerospace | Torrance, CA*

- Coordinated a team of technicians, stress analysts, and mechanical design engineers resulting in the successful execution of Acceptance and Qualification Tests with aggressive schedules and milestones.
- Facilitated Test Readiness Reviews with stakeholders and the engineering team to validate project scope and optimize project cost and testing timelines.
- Decreased project cost by \$15000 per test and reduced project completion time by 2 weeks by reviewing project discrepancies in costs for tests equipment, recommissioning processes, and program structure.

### System Engineer

Aug 2019 – Sept 2020

*Naval Surface Warfare Center, Corona Division | Norco, CA*

- Overhauled Material Readiness Database (**MRDB**) system reliability models for electrical power systems to accurately assess the single system, multi-system, and system of system readiness.
- Developed criteria and methodologies for evaluating material readiness assessment of non-expendable equipment for electrical power systems
- Utilized engineering analysis results of the data to investigate readiness problems, trends, and drivers.
- Coordinated System Readiness Reviews with stakeholders, fleet command, and the program office in order to determine key areas of concern and provide data-driven decisions

### Product Development Engineering Intern

Jun 2018 – Dec 2018

*Eotron LLC. | Ontario, CA*

- Designed (**SolidWorks**), constructed, and programmed (**C**, **ROS**, and **Python**) a robot that spot cleans surfaces using UV-C LEDs

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## EDUCATION

### Rithm School

Jun 2021 – Oct 2021

*Full Stack Web Development In-Person Bootcamp*

*San Francisco, CA*

### University of California, Riverside

Aug 2015 – Jun 2019

*B.S. Mechanical Engineering*

*Riverside, CA*

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## TECHNICAL SKILLS

**Languages** - JavaScript | TypeScript | Python | Matlab | C/C++ | SQL | HTML | CSS

**Libraries / Frameworks / Tools** - React | Redux | Node | Express | Django | Flask | SQLAlchemy | Robotic Operating System (ROS) | PostgreSQL | VSCode | SolidWorks | Vim | Git | Github | Redis

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## PERSONAL PROJECTS

**Jobly** - Full-stack mock job board site - **React** | **Express** | **PostgreSQL** - Live Demo | Github

**Friender** - Full-stack Tinder mock site - **React** | **Amazon S3** | **Flask** | **PostgreSQL** - Live Demo | [Github](#)

**Warbler** - Full-stack Twitter mock site - **React** | **Amazon S3** | **Flask** | **PostgreSQL** - Live Demo | Github