

# Phoebe Scaccia

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## SUMMARY

Software engineer with a strong track record of delivering customized software solutions to meet complex business requirements. Skilled in solving client challenges quickly and accurately, and passionate about learning new skills.

## WORK EXPERIENCE

### Associate Software Engineering Consultant. Liferay, Diamond Bar, CA

June 2023 – December 2023

- Completed 28 backend feature tickets using Java EE and REST APIs while shadowing a tech lead
- Parallelized a sequential process to cut import time of over 2,000 users and 200,000 accounts from days to hours
- Tested a time-consuming Liferay version upgrade process and compiled a reference guide that streamlined live upgrade deployment effort
- Played a key role in team completing a custom solution for a Fortune 500 manufacturing company five days ahead of schedule

### Software Engineering Intern. Liferay, Diamond Bar, CA

May 2022 – August 2022

- Collaborated with a team of five developers to build a client's internal portal using Java, MySQL, and Elasticsearch
- Completed 32 tickets over one month as a full-stack developer for 90% billable time
- Implemented and demoed two full features for a Fortune 100 client
- Wrote and presented a Confluence article to tech lead on cron job synchronization strategies
- Onboarded fellow intern onto the project over three days

### Undergraduate Researcher. Zhu Group Soft Robotics with AzoLCEs Project, Houston, TX

May 2021 – May 2022

- Designed and trained kinematics models for a soft robot using the Keras machine learning library
- Created Python program to automatically build and test inverse kinematics models with robot calibration data
- Analyzed 5,000 data points containing positional and intensity data to contextualize the models' outputs

## PROJECTS

### PhoeBot, a Discord Bot

December 2023 – Present

- Built a Discord bot utilizing the discord.py Python library and REST APIs to act as a personal assistant
- Implemented a CI/CD pipeline utilizing GitHub webhooks, Jenkins, ngrok, Docker, and Linux services to automate deployment to Raspberry Pi with only five seconds of downtime
- Integrated persistent SQLite database to deliver embedded reminders at scheduled times

### Simulating the Kirkwood Gaps

December 2022

- Built an N-body physics simulation of the solar system using the Model-View-Controller design pattern in Java
- Ran the simulation with 3,003 particles over 10 hours to simulate 3.5 million years of gravity-driven evolution

### Baldur's Ballers at HackRice 12

September 2022

- Won second place in the Chevron challenge out of 112 hackathon participants
- Coordinated a team of three to design a scheduling algorithm to connect employees and work tickets
- Implemented a SQL Server database, Java connector, and REST API hosted on an HTTP Server

### Snack Rice at HackRice 11

September 2021

- Won the Major League Hacking Twilio and Domain.com challenges out of 245 hackathon participants
- Partnered with a team of four to implement a server review and recommendation system in Python
- Designed the hosted website using HTML, CSS, and Adobe Illustrator

## SKILLS

### Programming Languages

*Advanced:* C, Java, Python. *Proficient:* Bash, CSS, Groovy, HTML, SQL. *Familiar:* C++, JavaScript, MATLAB, R.

### Software, Tools, and Frameworks

*Advanced:* Agile, Git, Linux, RDBMS. *Proficient:* Gradle, Jenkins, Maven. *Familiar:* AWS, Docker, Hadoop, Spark, TensorFlow.

## EDUCATION

### Rice University, Houston, TX

May 2023

Bachelor of Arts in Astronomy and Computer Science

GPA: 3.61