

SARINA WHITE

EDUCATION

Bachelor of Science in Computer Science

12/2017

University of Arizona, Tucson, AZ

- Minor in Mathematics
- 3.845 Cumulative GPA (Magna Cum Laude)

SKILLS

Languages	Java, PostgreSQL, Scala, Kotlin, GraphQL, Python, Fish Shell, MySQL, Bash, PHP
Tools	Git, IntelliJ, JIRA, SBT, Gradle, Maven, Kafka, Rally
Other	Liquibase, RESTful, Quarkus, CassandraDB, MariaDB, Flyway, Hibernate, Redis

EXPERIENCE

Software Engineer (Contract)

08/2019 -- Current

TEKsystems, Remote

- Designed and setup PostgreSQL database schema, and integrated it into an application using Flyway and Hibernate ORM
- Developed proof of concept service utilizing Big Ben scheduler, CassandraDB, Quarkus, and Datastax, and communicates over RESTful APIs and Kafka
- Used Scrum Agile methodologies, tracked with Rally

Software Engineer

09/2019 -- 06/2020

#Fly/Usercare Inc., Tucson, AZ

- Developed backend logic and APIs using Java, PostgreSQL, Redis, Liquibase, GraphQL, GitHub/GitLab, and Sendgrid to create a company-focused travel booking website
- Experience with microservices hosting different pieces of the system (payment, travel, and main app)
- Implemented invoice billing system and utilized Stripe Plaid API to collect user payments
- Created optimized API to expose trips, taking 3 queries to fetch each page of data instead of a linear amount based on trip count
- Successfully certified usage of external Amadeus APIs within 2 months of starting, with no prior knowledge
- Worked with team using agile methodologies (Kanban and Scrum), tracked with JIRA

Software Engineer

02/2018 -- 08/2019

Software Engineering Intern

01/2017 -- 12/2017

SigFig/Nvest Inc., Tucson, AZ

- Backend developer for financial portfolio management system using JIRA and Agile methodologies
- Developed in a modularly-structured backend creating RESTful APIs and debugging issues using PHP, Scala, Java, and Python
- Scrum Master experience: running scrum meetings, managing backlog, and communicating with team members and project manager to hit feature deadlines
Participated in MariaDB database management using MySQL, Liquibase, and Slick
- Utilized Docker for local integration testing

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Head Section Leader, Department of Computer Science 08/2016 -- 12/2016
Section Leader, Department of Computer Science 08/2015 -- 08/2016
University of Arizona, Tucson, AZ

- Developed testing scripts in Python to aid with grading assignments
- Assisted students with debugging and testing Python and Java code
- Co-led group review sessions for 50-100 students reviewing basic programming topics
- Helped manage other section leaders and deal with any individual or technical issues

Software Engineering Intern, Global Network Technology 06/2016 -- 08/2016
American Express, Phoenix, AZ

- Developed API in Apigee using REST and SOAP response/request to provide consumer with demographic information from backend data layer
- Introduced to J2EE project flow and MVC including servlets, JSP, Java-bean, and Maven

Teaching Assistant, Vector Calculus 08/2015 -- 12/2015
University of Arizona, Tucson, AZ

- Helped students refine critical thinking skills to more efficiently solve math problems
- Attended a weekly seminar focused on improving ability to present and explain material
- Introduced to LaTeX

PROJECTS

Watermelon Free Fall, iOS 06/2015 -- 08/2015
<https://apps.apple.com/us/app/watermelon-free-fall/id1027925575>

- Created with Unity3D, scripted in C#
- Project to learn about the iOS submission process

Stellar Leap, PC 03/2015 -- 06/2015
<https://gamejolt.com/games/stellar-leap/81505>

- Worked with three other people via a weekly meeting and GitHub
- Created with Unity3D, scripted in C#