

CHRIS LOFTIS

Columbia, SC 29205 | chris@chriswantsajob.com | www.github.com/iron-condor

Senior Java developer with background in enterprise telecom software

EDUCATION

University of South Carolina | College of Engineering and Computing

Bachelor of Science in Computer Science

With Honors from South Carolina Honors College

May 2023

Columbia, SC

WORK EXPERIENCE

Swampfox Technologies, Inc. (3 years)

Senior Software Developer

Software Developer

Product Development Intern

Columbia, SC

Jan 2024 – Present

May 2023 – Jan 2024

May 2022 – May 2023

- Developed and maintained telecom software that powers enterprise call centers using Java, SQL and CCXML/VXML
- Worked with other software developers, QA engineers and project managers on Scrum teams
- Architected, developed and deployed distributed reporting solutions using RabbitMQ and Postgres
- Served as technical lead/owner of mission critical software for high-availability systems
- Met with project managers, engineers and stakeholders from other companies to understand their needs and develop custom systems to integrate with their proprietary infrastructure
- Triaged and debugged live issues with high-volume production call centers during emergencies
- Wrote documentation and automated tests using JUnit5 and Mockito to ensure maintainability
- Served as a mentor and a technical resource for interns during their projects

University of South Carolina (1.5 years)

Undergraduate Research Assistant

Columbia, SC

September 2019 – December 2020

- Analyzed scientific problems to apply artificial intelligence and deep learning models
- Studied and implemented existing machine, deep learning, and evolutionary programming models within larger systems to solve novel problems
- Rapidly learned new libraries and frameworks to implement them in more complex programs
- Generated and analyzed charts and statistics to find flaws and improvements with models
- Wrote and contributed to research articles within the fields of Computer Science/Materials Design
- Preprocessed raw data and transformed it into a format interpreted by machine learning models
- Cooperated with a team of researchers and experts to further the field of materials design

SKILLS

Java

JUnit5

Mockito

PostgreSQL

Maven

Jenkins

RabbitMQ

SQL Database Design

SMS systems

Avaya telephony

Linux

Job fairs & recruiting

ACCOMPLISHMENTS

2019 Recipient of Magellan Scholar Award for Research in Computational Physics

- Awarded to limited pool of applicants based on research proposal and budget request

Primary author: "Lattice Thermal Conductivity Prediction Using Symbolic Regression and Machine Learning." The Journal of Physical Chemistry A 125.1 (2020): 435-450.

- Collaborative research article based on machine learning and materials science research