CHRIS LOFTIS

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Senior Java developer with background in enterprise telecom software

EDUCATION

University of South Carolina | College of Engineering and Computing **May 2023**
Bachelor of Science in Computer Science *Columbia, SC*
With Honors from South Carolina Honors College

WORK EXPERIENCE

Swampfox Technologies, Inc. (3 years) *Columbia, SC*
Senior Software Developer **Jan 2024 – Present**
Software Developer **May 2023 – Jan 2024**
Product Development Intern **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) *Columbia, SC*
Undergraduate Research Assistant **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	Maven	SMS systems
JUnit5	Jenkins	Avaya telephony
Mockito	RabbitMQ	Linux
PostgreSQL	SQL Database Design	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