Christopher Matthew Nosowsky

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Education

Michigan State University; East Lansing, MI   May 2021
Bachelor of Science, Computer Science
- GPA: 3.69
- Dean's List; Harry Hedges Endowed Scholar

Professional Experience

General Motors; Warren, MI   June 2020 - August 2020
Infotainment Software Engineer Intern
- Developed standalone GUI parsing tool in Python for validating calibration data set, provided to the calibrations domain team to identify calibration duplicates, mismatched types and improper metadata before database release
- Updated Java and native API's in model year 2022 vehicles to support newly generated calibration ID's, allowing the design release engineers to maintain cleaner database separation between virtual cockpit unit and center stack modules
- Collaborated with product owner, architects, developers and quality assurance discussing acceptance and testing criteria for user stories to develop features that are in line with product roadmap
- Performed platform builds in Android using Soong build system to ensure newly made code changes does not break dependencies prior to being pushed to Gerrit for review

Michigan State University Federal Credit Union; East Lansing, MI   January 2020 - April 2020
Software Quality Assurance Intern
- Developed Selenium test scripts in Java to help drive automation testing to the team, reducing time in test
- Claimed multiple Jira bug and defect tickets for functional testing, creating pass/fail test cases to determine if acceptance criteria is met to stage for production
- Worked in test database performing SQL queries to retrieve test account numbers, loan types and addresses to report in smoke tests for validating data integrity in software build
- Performed mobile and web UI testing on ComputerLine, identifying 15+ member-facing defects to triage team

Amerisure Insurance; Farmington Hills, MI   May 2019 - August 2019
Business Intelligence and Data Warehouse Intern
- Worked in ODI Studio to create mappings, load plans, scenarios, tables, semantic views in the canonical and dimensional models for each sprint, helping reduce errors during ODI development
- Created PL/SQL validation scripts for testing against faulty business logic in the data warehouse, allowing for a more seamless delivery to production in each sprint
- Utilized Keras deep learning library in Python to deploy a data dictionary for training claim notes and creating a neural network for vectorizing data, allowing for autonomous classification of claim types in the Amerisure claims center
- Presented blockchain to the development team highlighting insurance business use case and researching potential gains from adopting technology

Spartan Blockchain Solutions; East Lansing, MI   Sept. 2018 - Present
Senior Blockchain Developer
- Lead developer behind student loan application, *SmartiFi*, created using the MEAN stack to provide as a platform for alumna to issue loans, reducing overall student debt
- Migrated organization website to Angular framework and deployed server code to Heroku, improving code modularity
- Presented engagement to attendees at the Spartan Blockchain & Innovation Competition, receiving the "Best Pitch" award by providing 10+ companies with innovative knowledge on blockchain adoption in the educational department

Training & Skills

PL/SQL/NoSQL	Java	Git	Bash	Jira
C/C++	Javascript	Lua	Machine Learning	Flask
Python	HTML/CSS	Agile	Gerrit	jQuery
NodeJS	PHP	Blockchain	Typescript	Jenkins
Angular	React	UML	TDD	Flutter
Firebase	React Native	Selenium	AWS	MongoDB

Additional Activities

- Programmed Kongregate game, *Radioactive Decay*
- Programmed Google Play Android Application, *Serial Killer Quiz*, acquiring 1000+ installs
- Deployed PHP website *proximityracing.com* using AWS, Google Domains and Apache web server