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XIN LI

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xinli.io

EDUCATION

University of Cincinnati **2018 - 2021**
M.S. - Computer Science GPA: 3.72

University of Maryland at College Park **2012 - 2015**
B.S. - Information Systems & Accounting GPA: 3.23

EXPERIENCE

Software Engineer **Sep 2016 - June 2018**
AmTrust North America *Cleveland, OH*

- Improved code reusability and performance by redesigning .Net modules for multiple projects.
- Maintained 95%-100% completion of weekly tasks by following Agile SDLC and professional version control practices.
- Produced high quality codes by using well-documented comments and efficient algorithms.
- Resolved slow performance issues by optimizing algorithms in C# application and procedures in SQL server.
- Learned and utilized new skill (Angular 5) quickly to meet project requirements by accomplishing all development tasks in 3 months.

QA Tester **August 2015 - April 2016**
RuRo, Inc. *Frederick, MD*

- Performed QA testing for project of M.D. Anderson Cancer Center & Roche Holding AG under agile SDLC by providing well-documented testing results.
- Utilized Selenium automation testing by meeting 100% testing requirements to maintain quality control.
- Participated in time-sensitive projects and performed excellent communication and teamwork with software developers to meet the deadlines.

PROJECTS

Personal Website: xinli.io (portfolio for addition information)

Daybook (AmTrust Project)
Full stack project which involves with developments of using Angular 5 and .NET frameworks.

- Utilized Angular 5 by producing lighter and faster runtime codes for higher development requirements.
- Improved SQL procedures for faster data accessing by redesigning SQL statements.
- Updated .Net application by refactoring C# codes for adapting front-end updates and better maintenance purpose.

OFRN (University Research Project)
Autonomous vehicle project which utilizes sensors (LiDAR, Radar, GPS, & Camera) for object detection, route planning, and obstacle avoidance under platform of Autoware (Python Implementations) and Docker.

- Setup and configured sensor systems (LIDAR, camera, RADAR & GPS) for Autoware by researching open-source libraries and community solutions.
- Implemented docker packages for retrieving sensor data and exchanging data among sensor agents.
- Utilized Point Cloud Data by configuring Autoware built-in applications for Autonomous Vehicle route planning and actuation demonstration.
- Implemented and configured Autonomous Vehicle obstacle avoidance by utilizing YOLO system.

SKILLS

Software Development: Python, Java, C#, SQL, JavaScript, Angular, HTML & CSS, REST APIs, Linux, Docker, DevOps, AWS, Git, Agile SDLC

Research: Convolutional Neural Network, Clustering & Classification Approaches, Support Vector Machine, Maximum Likelihood Estimation, Bayesian Estimation, Principal Component Analysis, Singular Value Decomposition, Linear Discriminant Analysis, Itemset & Sequence Mining