Gaia Park

Principal Software Engineer

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WORK EXPERIENCE

Microsoft - Principal Software Engineer

October 2020 - current   Redmond, WA

- Led the migration of legacy Java applications to Python, improving code maintainability by 12% and reducing bug rates by 16%
- Built custom Eclipse plugin that streamlined software development process, **_reducing build times by 24%_**
- Architected and deployed solutions on Red Hat OpenShift, cutting time-to-market of mobile apps in half
- Spearheaded a new product launch, contributing $800K to annual revenue and a 5% rise in market share

3D Robotics - Software Tester

August 2017 - August 2020   Berkeley, CA

- Developed Python scripts to automate functional and regression testing, increasing test coverage and reducing manual effort by 37%
- Tested C++ applications, identifying bottlenecks and optimizing code to **_improve processing speed by 28%_**
- Designed custom test automation frameworks using Java to enable faster feedback for developers
- Created detailed test reports with actionable feedback, reducing post-release defects by 12%

Aduro Biotech - Junior Software Developer

June 2014 - July 2017   Berkeley, CA

- Used Eclipse IDE to write, debug, and maintain code, improving productivity by 21% and code quality by 7%
- Designed unit tests for the development team for a 15% drop in production defects
- Supported the development of RESTful APIs, contributing to a 29% increase in third-party integrations
- Supported database operations for both SQL and NoSQL systems, **_improving query performance by 16%_**

EDUCATION

University of California, Berkeley - M.S., Computer Science

2014 - 2016   Berkeley, CA

University of California, Berkeley - B.S., Electrical Engineering

2010 - 2014   Berkeley, CA

SKILLS

Java; Python; JavaScript; C++; Oracle Cloud Infrastructure; Oracle Database; MongoDB; Red Hat OpenShift

HOBBIES

- Coding challenges and hackathons