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Zeru Wang

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TECHNICAL SKILLS

- **Languages:** Java; Python; C#.NET; C++; Android Studio; WeChat Mini Program;
- **Database:** Microsoft SQL; JSON; PostgreSQL; Database Schema and Query Optimization; Relational Modeling; Schema Refinement; Storage and Indexing;
- **Web Service:** ASP.NET Web API; Django Framework; HTML; JavaScript; node.js; CSS; VUE framework; XML Schema;
- **Testing:** JUnit Testing; NUnit Testing; Manual Testing; Knowledge of Testing Methods: Regression; Load/Stress; Code Coverage Analysis; Black/White Box Testing; Acceptance; Performance;
- **Software Construction:** Unified Modeling Language; Requirements Analysis and Modeling;
- **Technical Tools:** Visual Studio; Eclipse; Microsoft SQL Server; PostgreSQL Server; Postman; Rational DOORS; Ottr; Git; GitHub; Team Foundation Server; Jira; Content Server;
- **Operating System:** Windows, Linux, Virtual Machine;

EMPLOYMENT

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| Web Developer Intern | Cogniva Information Solutions | 2019/05 – 2019/08 |
| <ul style="list-style-type: none">• Individually implement a C# console app to automatically update TFS work item's state and add comments when the parent linked work item changes its state.• Used Fake framework to implement ShimWorkItem for testing, reaches 95% code coverage.• Modified and published an existing project to ASP.NET Web API service to allow authorized user to request and get an XML license key, and back up the request to Microsoft SQL server database.• Using Django Framework developed a restful web service to create, list and retrieve signed xml files for authorized users.• Developed test cases for models and views in the Django web service. | | |
| Part-time Full Stack Developer | SOSER TECH | 2018/09 – 2019/04 |
| <ul style="list-style-type: none">• Developed a mobile restaurant order application (Capstone Project).• Participate in the requirements analysis and prototype design. Made improvements though negotiation with customers.• Designed the backend services and persistence layer of the initial architecture.• Independently implemented 50% of the backend cloud RESTful Service using synchronized JavaScript functions• Implemented portion of the frontend application using Vue.js | | |
| Quality Assurance Specialist Intern | OpenTextAG | 2017/09 – 2017/12 |
| <ul style="list-style-type: none">• Experienced in Content Server installation and configuration.• Developed test cases for acceptance criteria, delivered contribution to Content Sharing of Content Server 16.2.3.• Followed test cases to manual test Content Sharing module.• Learned automation testing including Selenium WebDriver and OTAutomation framework. | | |
| Global Technical Support Engineer Intern | Alcatel-Lucent Canada Inc. | 2017/01 – 2017/04 |
| <ul style="list-style-type: none">• Coded a Java framework application to plot historical performance statistics from multiple Automatic Workload Repository reports, reduced difficulty by 70% on statistics analysis of Oracle Database.• Increased readability of XML files by 60% by developing a Java framework application to extract XML nodes and values from XML files and illustrate them organized in a table.• Programmed a Python script to automatically install OpenStack Newton on CentOS 7 which improved efficiency and reduced difficulty.• Implemented a java application to download a database table as an excel file. | | |

EDUCATION

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| Ottawa, ON | University of Ottawa | 2014/09 – 2019/12 |
| <ul style="list-style-type: none">• Bachelor of Applied Science Software Engineering (Co-op)• Coursework: Programming Languages; Software Quality Assurance; Software Requirements Analysis; Software Project Management; Operating Systems; Databases; Algorithms and Data Structures; Real-time System Design and Analysis; | | |