Jimmy T. Wei

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WORK EXPERIENCE

oneAPI Code Samples Technical Lead, Intel Corporation   **04/2022 - current**
- Drove the strategy, development and delivery of 11 oneAPI and AI code samples releases, directly supporting the external developer community and increasing engagement and product adoption. Led the creation and execution of the samples roadmap, ensuring alignment with oneAPI releases and program requirements.
- Managed the end-to-end release process for all code samples, including code reviews, validation, and adherence to security and legal compliance standards. Maintained the oneAPI-samples GitHub repository, reviewing and merging pull requests and providing technical guidance on best practices for code sample development and maintenance.
- Authored two distinct code samples showcasing in-browser AI inferencing with the Polite Guard SLM, leveraging pipelines in transformers.js for one implementation and ONNX Runtime Web for fully local, privacy preserving execution in the second implementation.

Senior DevOps Engineer, Intel Corporation   **09/2015 – 04/2022**
- Spearheaded the design, re-architecture and development of a custom web-based UI integrating with Jenkins APIs.
- Significantly improved the WiFi engineering team's operational efficiency by supporting 30 users, 80 build jobs, and executing over 1.1 million builds (averaging 400 builds daily). The application's robust architecture is evidenced by its decade of uninterrupted service and sustained performance with no core architectural changes.
- Technologies: ASP.NET MVC, Entity Framework, SQL Server, IIS, Angular, jQuery, Bootstrap, WCF/SOA, Jenkins.

Technical Content Manager, Intel Corporation   **02/2014 – 09/2015**
- Orchestrated the end-to-end content strategy and roadmap development for Intel Technology Access (ITA), a REST API service used to access hardware capabilities.
- Engineered and developed two proof-of-concept web applications using ITA: A photo viewer using the built-in 2-in-1 sensor in Ultrabooks and a gesture recognition app utilizing the Intel RealSense F200 camera. Drove external visibility and user engagement through a published CodeProject article and the production of two customer onboarding videos.

Senior Software Engineer, Intel Corporation   **04/2010 – 02/2014**
- Directed the redesign and modernization of the Intel Involved volunteering website, developing a dynamic solution to replace legacy static HTML pages. Successfully integrated a Content Management System, empowering global site managers to independently update content through the content editor, significantly reducing need for technical support.
- Received a Division Recognition Award for the successful execution and delivery of the project.
- Trained and mentored a team of three engineers for ongoing application maintenance and support.
- Technologies: ASP.NET MVC, Entity Framework, SQL Server, IIS, jQuery, jQuery UI, WCF/SOA.

Software Engineer, Intel Corporation   **10/2008 – 04/2010**
- Engineered and deployed a C++ tool to capture and analyze OpenCL workloads for benchmarking.
- The tool successfully captured over 50 workloads across three OpenCL SDKs, providing valuable insights to the competitive analysis team. Its significant impact prompted increased headcount to develop and support the tool.

SKILLS

Programming Languages: C++ (Proficient), C# (Proficient), JavaScript (Proficient), HTML (Proficient), CSS (Proficient)
Technologies: oneAPI, ASP.NET MVC, Entity Framework (EF), SQL Server, Internet Information Services (IIS), Windows Communication Foundation (WCF), jQuery, Angular, Bootstrap, Jenkins, transformers.js, ONNX Runtime Web
Certifications: MCPD 70-519 (PRO): Designing and Developing Web Applications Using Microsoft .NET Framework 4

EDUCATION

Masters, Computer Science, Columbia University   **GPA: 3.73/4.0**
Bachelors, Electrical Engineering & Computer Engineering, University of California, Davis   **GPA: 3.52/4.0**