Alex Wapniarski
Software Engineer

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Languages
C#
JavaScript
Python
Swift
PowerShell
HTML5
CSS3

Backend
.NET
Node.js
Django
Flask
Socket.IO
Nginx

Cloud Services
AWS
EC2
Lambda
S3
Azure
VMs
App Service
DevOps

Databases
MongoDB
MySQL
SQL
NoSQL

Tools
Visual Studio
Git
Unix/Linux
Windows/Mac

Misc
Agile/Scrum
AutoCAD
PTC Creo
SolidWorks
3D Studio Max
3D Printing
Laser Cutting

Experience

Microsoft, Sunnyvale, CA — *Software Engineer II* — Feb 2017-Present

- Current team member of Cortana UX Orchestration
- Augmented and maintained compliant websocket service and API that connects Cortana clients, proxies speech services, and invokes task completion (skills) services.
- Constructed Kusto (SQL) queries to bucketize top errors and warnings in service.
- Conducted technical interviews and provided feedback to Microsoft hiring committee.
- Member of incident management team responsible for 24 hour acknowledgement, mitigation, and investigation of live site outages/issues for Cortana service.
- Leveraged Scrum & Agile methodologies, source control, automated testing, continuous integration, and continuous deployment via Azure DevOps.
- Implemented features for web service and applications in C# & .NET framework.
- Worked on the Cortana Language Understanding (LU) team within the Artificial Intelligence and Research group.
- Promoted to Software Engineer II based on contributions to LU team's Objectives and Key Results (OKR), including multi-turn support for calling and texting scenarios.
- Created evaluation tests to prevent and identify regressions in LU service.
- Optimized performance of web service and LU evaluation tools.
- Collaborated with senior scientists and vendor teams to verify and improve annotations.
- Deployed ruled-based natural language processing (NLP) code to improve machine learning model pipeline precision, recall, and overall quality.
- Partnered with global team across 3 continents on OKRs.
- Integrated third party API and designed mobile-responsive web pages and webviews using Razor View Engine, jQuery, Twitter Bootstrap, and JavaScript.

IEM, Fremont, CA — *Mechanical Design Engineer* — May 2011- Jun 2016

- Designed 60+ mechanical switchgear assemblies, produced 200+ technical drawings, and programmed 1100+ G-Code files on the Product Developer (R&D) team.

Education

University of California, Berkeley — Berkeley, CA — Aug 2007-May 2011
- Bachelor of Science, Mechanical Engineering

Personal Projects

Educational Alexa Skill — Aug 2016-Present
- Generates $60/mo in passive income with 40,000+ sessions and 17,000+ unique users

Volunteer Experience

Microsoft, Sunnyvale, CA — *LEAP Ambassador/Mentor* — Feb 2017-Present

- Advocated for the LEAP diversity program at Microsoft to promote a culture of inclusion.
- Conducted 10+ interviews and reviewed 300+ applications for prospective candidates.
- Mentored 20+ apprentices before, during, and after the LEAP program.