

# Alex Wapniarski

## Software Engineer

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Santa Clara, CA

[alex-w.com](http://alex-w.com)

[github.com/alex-wap](https://github.com/alex-wap)

### 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.