

ANGUS LIN

Senior Software Engineer with 6+ years of experience delivering enterprise-scale cloud solutions

Seattle, WA
206 -512-4357
angus.a.lin@gmail.com

Experience

Senior Software Engineer | Microsoft (Hybrid Connectivity)

Redmond, WA | **Sep 2023–Present**

- Led a team of 4 to build a cloud-to-on-premises connectivity automation platform using C#, .NET, Azure Functions, and SQL DB. Automated policy orchestration across Azure Firewalls and Network Security Groups for 2.5K+ network connections/month, eliminating manual configuration and reducing provisioning time by 2-3 days/request, resulting in 15K+ hours saved annually.
- Led an Infrastructure as Code (IaC) modernization of Virtual Machine deployments by migrating JSON ARM templates to secure-by-default BICEP Template Specs. Streamlined least-privilege deployments for ~1.1K users, eliminated all customer security remediation work, and reduced deployment time by 50% across 2K+ deployments (~1K hours saved). Presented to Nestlé and published on Microsoft's Inside Track blog.

Software Engineer II | Microsoft (Cloud Engineering)

Redmond, WA | **Aug 2020–Sep 2023**

- Led frontend development for a React web application serving large-scale data transfers (50GB+) for Microsoft and Xbox Game Studios. Delivered features to reduce end-to-end transfer times from days to minutes, enable authorization control across 550+ storage containers, and automate manual processes to save 300+ engineering hours annually.
- Developed a compliance dashboard for 7+ Microsoft divisions (Finance, Legal, HR) using React, .NET, and Azure APIs to visualize Azure security standards across 2.3K+ subscriptions. The tool eliminated 95% of manual support effort for compliance diagnostics, improving security visibility and operational efficiency.

Software Engineer Intern | Bloomberg LP (Multi-Asset Viewer)

New York, NY | **May 2019–Jul 2019**

- Developed a collaborative filtering–based recommender in Python and JavaScript for Bloomberg's portfolio management tool that enables clients to visualize financial data in Excel-like worksheets. Improved usability by recommending personalized columns based on similar client workflows, and delivered a proof of concept that sparked cross-team collaboration toward a general-purpose recommendation system. The work scaled to tools used by 100K+ clients.

Software Engineer Intern | TripAdvisor (Find and Discover)

Ottawa, Canada | **Jan 2019–Apr 2019**

- Developed Nearby Search and Rescue Search features for TripAdvisor's desktop landing page using JavaScript, mirroring mobile behavior to provide scoped results (e.g., nearby hotels, activities) and enable seamless switching to unscoped search for a continuous browsing experience, driving ~25K new daily users post-launch.

Software Engineer Intern | Intel Corporation (Programmable Solutions Group)

Toronto, Canada | **May 2018–Dec 2018**

- Led a compile-time reduction initiative for Intel's Quartus C++ codebase with hundreds of thousands of lines by building a Python service leveraging a reverse-dependency tool to identify high-impact headers and publishing the results as a JavaScript dashboard adopted by 300+ engineers. Guided header refactoring to isolate rarely used but widely included sections from frequently modified code, reducing transitive includes and cutting ~5 hours off a pilot subsystem rebuild.

Education

Bachelor of Applied Science, Computer Engineering - University of Toronto | CGPA: 3.79

Toronto, Canada | **Sep 2015–May 2020**

- **Hardware Research Intern** - University of British Columbia: Evaluated high-level synthesis tools; sponsored to attend ISCA 2016
- **Director of Business Strategy and Development** - You're Next Career Network: Led a 10-member team, managed 20+ partnerships, generated ~\$20K in revenue, and grew Canada's largest Startup Career Fair (91 startups, 3K+ students).