

CONTACTS

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SKILLS

Languages

- ✓ C# (Adv.)
- ✓ Java (Adv.)
- ✓ JavaScript (Adv.)
- ✓ XAML & XML (Adv.)
- ✓ Assembly
- ✓ Batch
- ✓ C++
- ✓ HTML & CSS (Adv.)
- ✓ Python

Frameworks

- ✓ ASP.NET
- ✓ Bootstrap
- ✓ Expo
- ✓ Express.js
- ✓ Next.js
- ✓ React (Adv.)
- ✓ React Native (Adv.)
- ✓ Tailwind CSS

Databases

- ✓ Cosmos DB
- ✓ Kusto Query
- ✓ MYSQL (Adv.)
- ✓ U-SQL/SCOPE

Tools

- ✓ Android Studio
- ✓ Azure DevOps
- ✓ CodeQL
- ✓ EASy68K
- ✓ Eclipse
- ✓ Git
- ✓ Visual Code
- ✓ Visual Studio

Alan Luu

Washington Software Engineer

EXPERIENCE

Xbox Software Engineer - Manufacturing Tests Mar. 2022 - Sep. 2023

Microsoft, Redmond, WA

- Developed hardware and software reliability tests for new Xbox consoles, achieving a 96% on-time delivery to Xbox testing labs worldwide.
- Troubleshooted worldwide Xbox test errors, ensuring uninterrupted daily testing by identifying firmware, hardware, OS, and network issues.
- Rectified 54 C# and 68 C++ CodeQL errors in 4 Xbox repos, eliminating security vulnerabilities, memory leaks, and enhancing code quality.
- Refactored 41 decade-old C# projects and pre-built their NuGet packages in a separate repo, reducing the main repo's build time by 6 minutes.
- ✓ Azure DevOps, Batch, C#, C++, CodeQL, Python, Kusto Query, Scrum, XAML

Xbox Software Engineer Intern

Feb. 2016 - Aug. 2016

Microsoft, Redmond, WA

- Analyzed Cosmos databases and fetched Cortana's daily usage data on Xbox One, identifying most-used features among alpha and beta testers.
- Developed statistical OnePulse websites to showcase Cortana data, aiding developers and managers in business and requirement decisions.
- ✓ ASP.NET, Bootstrap, CSS, C#, Cosmos DB, HTML, JavaScript, jQuery, OnePulse, Scrum, U-SQL

EDUCATION

Bachelor of Science - Computer Science

Sep. 2018 - Aug. 2020

University of Washington, Bothell, WA

Apprenticeship - Data Analyst

Jun. 2015 - Aug. 2016

Year Up, Redmond, WA

- Completed a 15-month Data Analyst program encompassing college courses, professionalism training, and a 7-month internship.

PROJECTS

Job Search - Android & IOS App

Nov. 2023 - Dec. 2023

- Developed a cross-platform app (Android & iOS), enabling users to search and apply for jobs.
- ✓ Expo, JavaScript, Rapid API, React Native

NoteHub - Android App

Jan. 2020 - Mar. 2020

- Collaborated on a two-person team to develop an Android app for college students to create study groups and share course notes.
- Developed the frontend in Android Studio and called my partner's REST APIs to access the Django backend server.
- ✓ Android Studio, Django, Git, Java, Python, Rapid Application Development

Disassembler - EASy68K Program

Jan. 2020 - Mar. 2020

- Collaborated on a two-person team to develop a program for reading and converting hexadecimal bytes into valid MC68000 Assembly instructions.
- ✓ Assembly, EASy68K, Git