Alec Chan

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<https://github.com/alec-chan>

# Relevant Work History

06. 2015 – 11. 2016 Omniwear haptics – bellevue, wa

**Technical Intern**

* Developed an interop layer in C# between the device driver written in C and managed C# code to be used by the Unity game engine.
* Assisted with user testing.
* Data entry and spreadsheets.

06. 2016 – 09. 2016 Invention science fund – bellevue, wa

**Technical Intern**

* Prototyped a 3D modelling program in C# on top of the Unity game engine for use with portable 3D scanners.

07. 2017 – 08. 2017 MICROSOFT – Redmond, wa

**Minecraft Intern**

* Interned with the Minecraft team at Microsoft and used C++ and Visual Studio to modify the Minecraft game engine and add new gameplay features.

# Personal projects

Sync.theater

* <http://sync.theater> is a web app which allows you to watch videos, movies and TV shows with friends all over the world.
* Skills/Technologies used: C#, Transact SQL, Azure, JavaScript, WebSockets, HTTP APIs, JSON, user authentication through tokens, password hashing.
* GitHub: new repo - <https://github.com/alec-chan/sync.theater> old repo - <https://github.com/alec-chan/VideoSync>

Raspberry pi – Dioder server

* Dioder server is a project that solves my problem of being too lazy to get up to turn my lights on or off. It allows you to control the state and color of a IKEA Dioder LED light strip over the internet.
* Skills/Technologies used: JavaScript, Node.js, RESTful API, Raspberry Pi, soldering, breadboarding.
* GitHub: <https://github.com/alec-chan/raspberrypi-dioder-server>

Jelly pop

* JellyPop is a simple action – puzzle game for mobile devices. It is my first published project and can currently be found on the Google Play Store.
* Skills/Technologies used: C#, Unity game engine.
* Play Store link: <https://play.google.com/store/apps/details?id=org.alecchan.jellypop>

# Education

09.2017 – Present University of wisconsin – Madison, WI

* College of Letters and Science
* Predicted computer science major
  1. – 06. 2017 Bainbridge island high school – Bainbridge island, WA
* GPA: 3.6
* ACT: 31