

# Jason Winn

Software Engineering, Graphic Design, Mechanical Engineering  
BASc (Mechanical Engineering), University of Waterloo

Vancouver, BC, Canada

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## Work

### **Slack, Vancouver** — *Staff Software Engineer, Promoted Twice (2017, 2021)*

AUGUST 2016 - PRESENT

Planned, led, and implemented various projects while working on the iOS Infrastructure team.

*Mobile Design System:* Led a 4-engineer team to build out a design system that powers the iOS UI. Included extensive design & product consultation as well as technical architecting.

*Autocomplete & Search:* Built efficient offline-capable autocomplete experience. Supported matching in multiple languages, muxing of network and local results, as well as a ‘fuzzy’ matching algorithm.

*Data Providers:* Designed a layer above the database that provided an asynchronous stream-based API for retrieving ready-to-use data models. This became the primary infrastructure upon which all features in the app were then built.

### **Joist, Toronto** — *Software Engineer*

JUNE 2015 - JUNE 2016

Built out and maintained the iOS app. Assisted with front-end web work.

### **Airbnb, San Francisco** — *Software Engineering Intern*

SEPTEMBER 2014 - DECEMBER 2014

Worked on the iOS app. Built the Chat screen, fixed bugs, and prototyped map pin clustering.

### **IBM, Toronto** — *Software Engineering Intern*

SEPTEMBER 2014 - DECEMBER 2014

Built front-end web prototype and mobile apps to demo potential iBeacon applications for major clients.

### **Zynga, Toronto** — *Software Engineering Intern*

JANUARY 2012 - AUGUST 2013

Implemented key features in Scramble With Friends™ Android. Worked on a cross-platform mobile economy-management framework for all of Zynga’s games which were written in a variety of languages.

## Education

### **University of Waterloo, Waterloo, Canada** — *BASc (Mechanical Engineering)*

SEPTEMBER 2010 - APRIL 2015

I studied Mechanical Engineering at the University of Waterloo. *Key technical electives included:* fluid mechanics, energy conversion, finite-element methods, fluid-powered control systems.

## Personal Projects

### **BendixKing KT-76A Transponder** — *Homemade Flight Sim USB Peripheral*

A self-designed replica of a vintage BendixKing KT-76A aircraft transponder, for use with Microsoft Flight Simulator. This project involved CAD, 3D printing, laser cutting, and a bit of electronics and coding work.

### **Games** — *Mobile & Web (Flash)*

*Egger*: An iOS game written on the Cocos2D game engine. Shipped to the App Store in 2010, and was a top-rated free game for a period of time.

*Luggage Loader*: A Flash-based game of memorization hosted on Facebook.

*Gobbla*: A Flash-based arcade-style game hosted on Mindjolt.

### **Greeting Cards** — *Hand-drawn cartoons*

I draw greeting cards by hand and in Adobe Illustrator. Some samples can be found under the hobbies section of my personal website: [www.jasonwinn.ca](http://www.jasonwinn.ca).

## Programming Skills

**Platforms** — *iOS, Mac, Android, Web. Ordered by familiarity.*

**Languages** — *Swift, Objective-C, C, Java, C#, C++, Python. Ordered by familiarity.*

iOS has been my focus during my time at Slack. I have intimate knowledge of UIKit and CoreAnimation. I've also worked extensively with CoreData / SQLite, and other foundational frameworks.

I enjoy working in the UI layer, the data layer, and the in-between.

## Beyond Programming Skills

### **General Aviation** — *Recreational Pilot licensed in 2012 in Toronto, Canada*

I currently fly out of Boundary Bay Airport (CZBB) in Vancouver, Canada. I have flown a variety of light general aviation aircraft. I am a cautious and curious pilot, and an avid flight simmer.

### **Graphic Design** — *Adobe Creative Suite*

I began with website and logo design at a young age. I've explored a variety of media, from newspaper layout to online Flash banner ads. I worked for a digital advertising agency for a brief period. Now, I spend my time illustrating greeting cards and prints for my own personal enjoyment.