

# ANDREW GAO

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## EDUCATION

### Cornell University, College of Arts & Sciences

*B.A. in Computer Science and Statistical Science, Milstein Program Scholar*

**Ithaca, NY**

*Expected Graduation: May 2022*

- GPA: **3.89**
- Relevant Coursework: Data Structures, Functional Programming, Computer Systems, Discrete Structures, Linear Algebra, Multivariable Calculus, Statistical Theory and Application, Probability Models

### Algonquin Regional High School

*High School Diploma*

**Northborough, MA**

*Aug 2014 – Jun 2018*

- GPA: **5.05/5.00**, Rank: **10/343**
- SAT: **1560/1600**, ACT: **35/36**
- Awards: National Merit Scholarship Semifinalist, National AP Scholar

## WORK EXPERIENCE

### takk

*Software Developer*

**Ithaca, NY**

*Jul 2019 – Present*

- Built SaaS web app that enables organizations and schools to manage, call, and fundraise from alumni more efficiently
- Used Django, HTML, jQuery to create APIs with queries and to enable users to create and manage calling groups

### Cornell Design & Tech Initiative Project Team

*Android Application Developer*

**Ithaca, NY**

*Feb 2019 – Present*

- Built Android application to display the crowdedness of campus eateries using Java and XML in Android Studio
- Implemented Firebase authentication, custom graphs, and integration with backend; designed logo for application
- Launched application on March 11, 2019 to Google Play Store

### Worcester Polytechnic Institute Bioinformatics & Computational Biology

*Web & Android Application Developer*

**Worcester, MA**

*2017 – 2018*

- Rebuilt user interface to adhere with Google's Material Design for an Android application that collects data on locations of threatened bumblebee species in New England
- Increased accessibility and streamlined usability of screens in Android application using Java, XML in Android Studio
- Created framework for website using HTML and CSS in Visual Studio Code

### Self-Employed (Fiverr)

*Freelance Graphic Designer*

**Southborough, MA**

*2014 – 2018*

- Designed custom social media graphics using GIMP and Inkscape for over 80 clients in 10 different countries
- Maintained a 5-star rating since inception and favorited by over 180 users

## PROJECTS

### Capital One National Park Information Kiosk

*Web Application Developer*

**Ithaca, NY**

*May 2019 – Jun 2019*

- Built web application that utilizes the National Park Service's API to display visitor information about US National Parks using Vue.js, Sass, and TypeScript
- Selected as one of 35 students to attend Capital One's Software Engineering Summit in Clarendon, VA

### Neighbor to Neighbor Furniture Redistribution

*Web Application & Database Developer*

**Ithaca, NY**

*Feb 2019 – Present*

- Designed and built database and web app for Ithaca-based non-profit to manage and coordinate furniture donations
- Used Figma, Firebase, Firestore, Vue.js, and Vuetify to create mockups and implement secure sign-ins, custom data models, real-time databases, and role-based authentication for users
- Wrote design specifications that describe database design, models, and technologies used; received \$1500 grant

## SKILLS & INTERESTS

**Languages:** Mandarin (Conversational), French (Basic)

**Programming Languages & Frameworks:** Java, Python, OCaml, HTML, CSS, Sass, XML, Vue.js, JavaScript, TypeScript

**Applications:** GIMP, Inkscape, Figma, Android Studio, VS Code, Linux, Git, GitHub

**Interests:** Photography, Cameras, Drawing, Graphic design, Volleyball (Cornell club setter), Basketball