

ANDREW GAO

ag974@cornell.edu

EDUCATION

Cornell University, College of Arts & Sciences

Ithaca, NY

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

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

Northborough, MA

High School Diploma

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

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Ithaca, NY

Software Engineer

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
- Spearheading transition from Django to React for web application frontend; using Webpack, ESLint, Ant Design

Cornell Design & Tech Initiative Project Team

Ithaca, NY

Android Application Developer

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

Worcester, MA

Web & Android Application Developer

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 website for Beecology project using HTML and CSS in Visual Studio Code; designed logo for project

Self-Employed (Fiverr)

Southborough, MA

Freelance Graphic Designer

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

Ithaca, NY

Web Application Developer

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

Ithaca, NY

Web Application & Database Developer

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, TypeScript to mockup and implement 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, JavaScript, TypeScript

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

Interests: Photography, Cameras, Drawing, Graphic design, Volleyball, Basketball