

Kevin Sun

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Education

[PLANNED] MAY 2022

B.S. in Computer Science / Cornell University, Ithaca

- Courses:
- CS 3110 – Functional Programming
 - CS 4410 – Operating Systems
 - CS 4152 – Advanced Game Development
 - CS 4820 – Analysis of Algorithms
 - CS 4620 – Computer Graphics
 - CS 5412 – Cloud Computing
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Skills

- Experienced in **Kotlin**, **C#**, and **JavaScript**
 - Proficient with **OCaml**, **Java**, and **Python**
 - Experienced with **industry practices** and **workflow**
 - Experienced at **full stack development**
 - Seasoned **graphic designer** and **artist**
 - **Multilingual** [English, Mandarin, Japanese, Spanish]
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Experience

SEP 2018 – NOW

Android Subteam Lead / Cornell AppDev

- Launched **Eatery for Android**, an **open source** dining hall and restaurant tracker with **400+** weekly active users on **Google Play**.
- Launched **Pollo**, a **cross-platform** app to replace iClicker for the **20k+** students of Cornell, using **RxJava**, **Kotlin**, and **OAuth2**.
- Launched **CourseGrab**, a **cross-platform** course tracking tool used by over **3000** students each semester.
- Wrote and taught the curriculum for the newly released **Intro to Android Development** course at Cornell, educating and inspiring the next generation of Android developers.

MAY 2020 – NOW

Lead Data Architect / OWiC Technologies

- Built a robust **backend REST API** and **CDN**, using **Kotlin** with **MongoDB**, and hosted on **Azure** within **Docker** containers.
- Drove **database architecture**, with emphasis on **scalability** and **security**, with **extensibility** and **expansion** in mind.

JUN 2020 – AUG 2021

Program Management, Software Engineering Intern / Microsoft Corporation

- Led the development of **Inline Resource Creation** for **Azure Logic Apps**, designing the interface, conducting user research, and iterating product design.
- Worked on the **Roslyn C# compiler** for **Visual Studio 2019**, building features for **C# 9** and **10**, to be released to the **6.2 million developers** using the language.

JUN 2018 – AUG 2019

Infrastructure Operations Intern / Bloomberg LP

- Developed multiple **internal automation tools** at Bloomberg's largest datacenter, using **ReactJS**, **Python 3**, and **Redis** to keep track of **33 thousand** servers and network equipment.
- Worked as part of small teams following **agile development** principles and industry best practices to create robust, maintainable code for systems that require **n+1 redundancy**.

Side Projects

Harmony / Concurrent Programming Language

- Worked alongside **Prof. Robbert Van Renesse** to develop and design a concurrent programming language. Harmony's model checker tests every interleaving of instructions to detect deadlocks and assertion failures.
- Acted as the **primary web developer** and **designer** for the language build output, the website, and the online IDE.

Project Formalcraft / Modern Customs Brokerage Suite

- A low maintenance **customs brokerage suite** for data entry and automatic document generation powered by **Cloud Firestore**.
- Built as an **SPA** with a **React** framework, featuring client side document export to Microsoft Excel.

Digital Media Skillset / General Interest

- Proficient in **Adobe Premiere Pro**, **After Effects**, **Illustrator**, and **Photoshop**. Art student of over **10 years** with experience in physical mediums that transfers well to digital mediums.
- **Video Editing Sample**: Pollo Launch Promo - <https://youtu.be/nXG0iS3C5AI>
- **Traditional Art Portfolio**: <https://kevinsun.dev/ArtPortfolio/>