**Justin Chen**

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Education

**Rensselaer Polytechnic Institute Troy, NY, USA**

Dual major Bachelor of Science in Computer Science & Business Analytics August 2022 - May 2026

GPA: 3.6 / 4.0

Certifications

**AWS Cloud Practitioner |** [Credential Link](https://www.credly.com/badges/3632336e-a644-4bc3-b83b-5b57d9a39e46/public_url) IssuedMay 2024 Expires May 2027

**IBM Quantum** | [Credential Link](https://www.credly.com/badges/79e3a8fc-016b-454c-a7a5-1c669f66e360)  Issued June 2024

Projects & Activities

**Huanted Crescendo** – IronMouse Game Jam 2024 – ***Hackathon Win* 🏆** August 2024 – September 2024

A horror game made with UE5, taken place in an abandoned opera house. Submission to the IronMouse Game Jam 2024 on itch.io.

* Composed and produced soundtracks through FL Studio – Placed 1st in sounds category.
* Managed version control and package synchronization using Git LFS and Github.

**Banana Tower** – Petal Splash Studios June 2024 – June 2024

A tower defense game made during the Monke Jam 2024 game jam. Event lasted for 3 days.

* Programmed and designed core tower defense mechanics using Unity and C#.
* Created procedurally generated tile maps using random-walk algorithms and wave collapse functions.
* Fine-tuned enemy pathing AI using A\* search algorithm.

**Tanuki Treats** - Flatlined StudioMay 2024 - Present

An Asian snack-box subscription service that delivers weekly/monthly.

* Developed and designed a snack subscription website with user authentication, recurring payments, and a protected, dedicated admin panel using Next.js, NextAuth, Stripe, and MongoDB.

**Microsoft Soundscape -** Rensselaer Center for Open-SourceSeptember 2023 – December 2023

An app that provides auditory travel guides for the visually impaired.

* Launched a web platform for creating and uploading auditory guides for real-world locations to Microsoft Azure using OpenStreetMap, Django, and PostgreSQL.
* Wrote a web APIs to facilitate seamless integration of the authoring tool with vender third-party systems.

Experience

**DeFacto Global** Troy, NY – Product Marketing Manager July 2024 – Present

* Led the initiative to rearchitect, rewrite, and redesign the company’s legacy WordPress website to a Next.js and Strapi CMS solution hosted on Azure, enabling the capabilities of modern web technologies and data analytics.
* Assisted in the launch of deFacto Table Editor, a powerful Power BI extension that enables data writeback.

**Upwork Freelance** Remote – *Web Developer* April 2024 – July 2023

* Built & branded over 5 websites using various web platforms including Square Space, Wix, WordPress, etc.

**Mayan Mobile Marketing** Plainfield, NJ **-** *Web Developer* May 2023 – August 2023

* Built 12 full-stack web platforms and closed $10k+ marketing contracts using Wix.
* Optimized metadata and SEO, leading to an average 230% average increase in site traffic across all sites.

Technical Skills

**Languages:** Python, Java, C++, C, C#, MIPS, Verilog, Lua, SQL, TypeScript, JavaScript, HTML/CSS

**Frameworks:** React, Flutter/Dart, Junit, Next.js, Node.js, Tailwind CSS, Django, Unity, Unreal Engine, NextAuth, Flask

**Interests**: Chinese, Japanese, Music Production and Performance, 3D Modeling, Cooking, Digital Design