

# Chi Che Colin Wu

+1 (765) 913-1680 | [colinwu0403@gmail.com](mailto:colinwu0403@gmail.com) | [linkedin.com/in/colinwu0403](https://www.linkedin.com/in/colinwu0403) | [github.com/ColinWu0403](https://github.com/ColinWu0403)

## EDUCATION

### Purdue University

May 2026

*Bachelor of Science in Computer Science*

*West Lafayette, IN*

- **Courses:** Compilers, Operating Systems, Data Mining & Machine Learning, Artificial Intelligence, Algorithms Analysis, Systems Programming, Data Structures and Algorithms, Computer Architecture, Discrete Math, Linear Algebra
- **GPA:** 3.45/4.0

## EXPERIENCE

### Costco x The Data Mine

Aug 2025 – Present

*Undergraduate Data Science Researcher*

*West Lafayette, IN*

- Collaborating with **Costco** to build a weather-aware supply chain model using **Python**, **Spark**, and **GCP Vertex AI** to predict crop availability, anticipate transportation delays, and improve distribution efficiency.

### Department of Computer Science, Purdue University

May 2025 – Present

*Undergraduate Researcher*

*West Lafayette, IN*

- Contributed to research in the Human-Centered Software Systems Lab by organizing and labeling large-scale code datasets for a benchmark evaluating LLM-generated code, supporting advancements in developer productivity and software safety.

### PepsiCo x The Data Mine

Aug 2024 – Apr 2025

*Undergraduate Data Science Researcher*

*West Lafayette, IN*

- Collaborated with **PepsiCo** to map environmental risks at manufacturing sites, building a dashboard to display insights and predict extreme weather events (e.g., floods, droughts) and climate impacts.
- Collected **GIS** data using open-source APIs, processed it with **Django** and **Pandas** to generate insights, and visualized the results in **Power BI** to help optimize factory operations and mitigate environmental risks.

### REVLIS Biotech Company Limited

May 2024 – Aug 2024

*Machine Learning Intern*

*Taipei City, Taiwan*

- Processed, cleaned, and visualized hundreds of **ECG** (Electrocardiography) recordings with **NeuroKit2**, **Pandas**, and **Matplotlib**, then trained RandomForest, CNN, and LSTM models using **scikit-learn** and **TensorFlow**—achieving **97.5%** accuracy in Atrial Fibrillation detection.
- Developed an LLM chatbot using Hugging Face's **LLaMA2** model, fine-tuned with medical research papers and company data using **LangChain** and **Transformers** to retrieve and answer company-specific inquiries accurately.

## PROJECTS

### Bucketlist | Goal Achievement Community App

Oct 2024 - June 2025

- Led development as Project Manager for Bucketlist—a \$1,000 commissioned app (**React Native**, **Express.js/Node.js**, **PostgreSQL**) with **Auth0** authentication and **AWS** deployment (**RDS**, **S3**, **EC2**)—enabling users to form goal-focused communities (e.g., travel) to connect and collaborate.

### StonkSensei | AI-Powered Stock Market Analysis Platform

Feb 2025 - May 2025

- Built an AI-driven stock analysis platform with **FastAPI (Python)**, **React/Next.js** & **MongoDB**, **Selenium** & **BeautifulSoup** web scraping, **Auth0**, leveraging pre-trained **BERT** for sentiment analysis and **Deepseek** for recommendations via real-time market APIs.

## LEADERSHIP

### ACM SIGAPP Purdue

Apr 2024 - May 2025

*President*

*West Lafayette, IN*

- Led ACM SIGAPP at Purdue, organizing events and outreach while managing the development team for Bucketlist, the club's annual app project; regularly reviewed pull requests, coordinated weekly sprints, and ensured code quality across features.

## TECHNICAL SKILLS

**Languages:** C, C++, C#, Python, Java, JavaScript, TypeScript, PHP, Swift, Rust

**Technologies:** React.js, React Native, Vue.js, Django, ASP.NET, Express.js, Node.js, TensorFlow, LangChain, Pandas

**Tools:** Git, SQL, Docker, MongoDB, PostgreSQL, Figma, LaTeX, Bash, Linux, Nginx