

# Wesley Deklich

408-647-0040 | [contact@wesleydeklich.me](mailto:contact@wesleydeklich.me) | [linkedin.com/in/wesleydeklich](https://www.linkedin.com/in/wesleydeklich) | [wesleydeklich.me](https://wesleydeklich.me)

## EDUCATION

---

### University of Illinois Urbana-Champaign

*Bachelor of Science in Computer Science and Economics*

Relevant Courses: Intro to CS I, Intro to CS II, Discrete Structures

Champaign, IL

August 2024 – May 2027

## EXPERIENCE

---

### Chief Technology Officer

*Tessero*

June 2023 – Present

*San Francisco, CA*

- Designed and built Tessero, a highly intuitive and user-friendly ticket reselling app and website, using Node.js and MongoDB, collaborating closely with students in a Wharton startup program
- Developed a streamlined platform with an impressive 99.9% uptime, utilizing AWS for scalable cloud infrastructure, and integrated secure payment processing via the Stripe API for enhanced security
- Conducted thorough market research, identified key revenue streams, and prepared a comprehensive 5-year business plan to guide future growth, utilizing data analytics tools like Tableau and Python for insights

### Research Intern

*NASA SEES @ UT Austin*

May 2022 – October 2023

*Austin, TX*

- Identified critical flaws in Bayesian Classification algorithms and meteorite pairing guidelines by analyzing 10,000+ historical data points using Python, TensorFlow, and NumPy, improving model precision by 15%
- Developed a new meteorite pairing framework based on physical attributes, geographic proximity, and orbital history, increasing classification accuracy by 20% across 5,000+ samples
- Presented findings at AGU Fall Meeting, engaging over 25,000 attendees globally via a live presentation and Q&A

### Software Engineering Intern

*8x8 Inc*

June 2021 – August 2021

*San Jose, CA*

- Worked closely with a team of engineers to develop innovative cloud-based communication solutions, significantly improving VoIP and video conferencing services for over 1M global users
- Assisted in analyzing real-time video usage data using Python and Tableau, successfully identifying key areas of improvement to reduce video latency, and streamlined the data processing workflow
- Collaborated closely with marketing to create interactive data visualizations using Tableau and D3.js, boosting user engagement by 20% and contributing to a 15% increase in quarterly revenue

## PROJECTS

---

### Investor Analysis Dashboard | *React.js, FastAPI, MongoDB*

October 2024 – Present

- Collaboratively developed the frontend interface using React.js and D3.js, creating engaging and interactive visualizations for real-time investor sentiment data analysis
- Worked closely with the database team to design a MongoDB schema for efficient data storage and retrieval, optimizing overall performance for handling over 500,000 data points effectively
- Integrated Axios for seamless API communication, ensuring a smooth and reliable data flow between the frontend and backend services, reducing data retrieval time by 30%

### Aegis Notes App | *Electron, React, TypeScript, Tailwind, Jotai, Node.js*

June 2024 – Present

- Developed a cross-platform desktop application using Electron and React with TypeScript, implementing a responsive UI styled with Tailwind CSS for enhanced user experience
- Implemented state management with Jotai and configured build processes using Webpack and Electron Builder, ensuring efficient development and seamless deployment across Windows, macOS, and Linux
- Engineered core functionalities including a Markdown editor with real-time preview and data persistence through Electron's IPC, enabling reliable and user-friendly note-taking capabilities

## TECHNICAL SKILLS

---

**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R, TypeScript

**Frameworks:** React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI, Electron, Tailwind CSS

**Developer Tools:** Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, Postman

**Libraries:** pandas, NumPy, Matplotlib, Jotai, Axios, Express.js, Chart.js

**Additional Skills:** Natural Language Processing, Data Visualization, API Development, Cross-Platform Development