

# Kevin Chen

952-232-7743 | kevc528@seas.upenn.edu | GitHub: kevc528 | LinkedIn: linkedin.com/in/kevc528

## EDUCATION

**University of Pennsylvania - School of Engineering & Applied Science, Philadelphia, PA** *May 2023*

Bachelor of Science in Engineering, Computer Science | *Concentration:* Software Foundations | *Minor:* Statistics

Cumulative GPA: 3.96/4.00

*Selected Coursework:* Data Structures & Algorithms, Software Design & Engineering, Programming Languages & Techniques, Big Data Analytics, Mathematical Foundations of Computer Science, Python Programming, Probability

**University of Minnesota Talented Youth Math Program, Minneapolis, MN**

*Sept 2015 – May 2018*

*Relevant Coursework:* Calculus I, II, & III

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C#, JavaScript/TypeScript, SQL
- **Tools and Libraries:** Git, Android Studio, Angular, RxJS, Node.js, .NET, Azure DevOps Server, Flask, Django, Microsoft SQL Server, MongoDB, Firebase, AWS, Apache Spark, Pandas, scikit-learn, JUnit, Power BI
- **Other:** Agile SDLC, Software Design Patterns, LaTeX, Microsoft Suite (Excel, PowerPoint, Word)

## EXPERIENCE

**WEX Inc., BI Development Intern – Software** | Minneapolis, MN *June 2020 – Present*

- Developing software (full-time summer, part-time school yr.) in an Agile setting as part of a business intelligence focused software development team for the WEX Health Cloud platform, used by over 17 million consumers
- Using C#/.NET to fix bugs in the data API and implement the backend for new analytics dashboard features
- Building features like the ability for an admin to customize page layout for their employers' dashboards
- Using Angular to embed Power BI visuals and create POCs as part of the transition to a new portal dashboard
- Onboarding and training new interns by walking them through the codebase and assisting with development

**Penn Electric Racing, Software Engineer** | Philadelphia, PA

*Sept 2019 – May 2020*

- Used Gazebo and Python to implement and simulate cone recognition for autonomous driving
- Worked on a Vue.js GUI that provides an easy interface for displaying graphs and sensor data from the car

**Penn Aerospace Club, Software Engineer** | Philadelphia, PA

*Sept 2019 – May 2020*

- Develop a “mission control” web application that tracks and stores data on the position, path, speed, and time for the high-altitude balloon using Node.js

## PROJECTS

**OurStatus**

*May 2020 – Present*

- Creating a cross-platform (Web, iOS, Android) social media app connected by Firebase to promote productivity
- Using RxJS observables and the AngularFire library to create an asynchronous and event-based Angular web app

**Penn Lost and Found**

*Feb 2020 – May 2020*

- Developed an app where users can post lost/found items on campus and communicate with other users
- Built a distributed software system with a mobile app using Android, a web administrator app using HTML and JavaScript, and a server-side application using Node Express and MongoDB
- Features include login, messaging, feed for postings, account monitoring for admin, warnings/ban, and more

**Stock Trading Bot**

*Dec 2019 – Jan 2020*

- Wrote a bot in Python to trade stocks using Bollinger Bands, Relative Strength Index, and linear regression
- Automated trades and monitored my account through HTTP requests and JSON objects using Alpaca API
- Collected and stored 10,000+ data points daily in a SQL database for testing and algorithm refinement

**Dungeon Escape**

*Nov 2019 – Dec 2019*

- Built a Java Swing game where a player collects keys and escapes monsters in a randomly generated maze
- Implemented torchlight effect, collisions, smooth movement, high scores, automated movement, and more

## ADDITIONAL ACTIVITIES

- Moelis Access Science Volunteer Computer Science Instructor

*Sept 2019 – Present*