Kevin Chen

952-232-7743 | kevc528@seas.upenn.edu | kevnchen.com | 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, Angular, RxJS, Express, Node.js, Android Studio, .NET, Azure DevOps Server, Django, 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*
- Work (full-time summer/part-time school yr.) on web portals 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
- Use C# to fix bugs, improve performance, and build the backend for new features in the ASP.NET Web API
- Build features like admin portal controls for page access, layout, and design in their employers' dashboard
- Use Angular to embed Power BI visuals and create POCs to drive the development of a new admin dashboard
- Onboard and train new interns by walking them through the codebase and assisting them 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*
- Developed 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*
- Create a cross-platform (Web, iOS, Android) social media app connected by Firebase to promote productivity
- Use 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*