Kevin Kim

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EDUCATION

University of California San Diego — Sep 2021 - June 2025
Bachelor of Science in Computer Science — *La Jolla, CA*
Coursework: Operating Systems, Computer Networks, Computer Graphics, Databases, Software Engineering, Data Structures, Algorithms, Programming Languages
Extracurriculars: CSES WebDev, CSES Open Source, ACM, Video Game Design, Varsity Esports, Rec Basketball
GPA: 3.70

EXPERIENCE

TrustThink — Jan 2024 - June 2024
Systems Security Engineering Intern — *San Diego, CA*
- Incoming intern for Winter 2024 and Spring 2024

CSES WebDev — Aug 2023 - Dec 2023
Lead Software Engineer — *La Jolla, CA*
- Leading a team of **5** developers and designers for WebDev's website using **React**, **Python** and **PostgreSQL**
- Ensuring security for **AWS S3** and **RDS** services by configuring **VPC** subnets to internal dev and prod scopes
- Reducing feature bugs by **95%** with over **100** automated **unit** and **integration** tests using **Github Actions**

University of California San Diego — May 2023 - Dec 2023
Instructional Assistant — *La Jolla, CA*
- Teaching and leading **2** sections for First Year Experience to provide campus resources and general guidance
- Supporting over **30** students in **40+** office hours for professional and academic advice, referring specific resources
- Assisting fellow discussion leaders with content and material by providing powerpoints and day plans in advance

Thoth Coding — Dec 2019 - June 2021
Co-Founder — *Barrington, RI*
- Co-founded an organization with 3 peers to virtually teach programming basics to over **600** students globally
- Tutored over **100** students on their final projects to guide and help with API use, OOD, structure, and syntax
- Co-developed several interactive **Java** programs by pair programming to provide practical examples of concepts

PROJECTS

EloEdge | *Python, pandas, R, Express, MongoDB*
- Created an API for a client to turn **13** years of **12000+** past and present college football games into Elo ratings
- Achieved **60%** accuracy in predicting game outcomes using an error function with custom k-factor and modifiers

PantryPal | *JavaFX, MongoDB, Gradle, JUnit, Docker*
- Developed a full stack recipe app in a team of **6** with **GPT-3** and **Whisper** to turn voice commands into recipes
- Reduced bugs by **90%** with over **200** unit and integration tests on CI/CD and by E2E testing BDD scenarios

StartLift | *React Native, Express, PostgreSQL*
- Created a mobile workout app for beginners to create focused routines from over **40** exercises that are filterable
- Securely stored over **50** users' info by utilizing **bcrypt**-hashed passwords, email verification and **OAuth** protocol

Graphical Sort | *Java, Swing, AWT*
- Engineered an animation program to visualize how sorting algorithms work, utilizing Java Swing's **Timer** steps
- Supported over **800** animation speeds and **6** algorithms, and refactored **1000+** LoC to adhere to SRP and DRY

TECHNICAL SKILLS

Languages: Java, JavaScript, C++, Python, HTML/CSS, C, R, SQL, TypeScript, Haskell, ARM, MATLAB
Frameworks: Express, React, React Native, pandas, Django, Whisper, GPT-3, JavaFX, Swing, AWT, JUnit
Developer Tools: Git, AWS, Docker, Gradle, MongoDB, PostgreSQL, SQLite, MySQL, Jenkins, Postman