

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 - Present

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 - Present

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

Co-Founder

Dec 2019 - June 2021

Thoth Coding

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