

CHEOLMIN OH

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PROFESSIONAL EXPERIENCE

Boston University Spark!, Boston, MA May 2023 – Jan 2024

Software Engineer Intern

- Designed scalable software architectures, enhancing efficiency and delivering precise solutions for client needs.
- Incorporated CI/CD with GitHub Actions and optimized Firebase, achieving a 22% cost reduction.
- Developed 21 API endpoints using Express.js, Next.js, and a headless CMS, improving user interactions.
- Spearheaded Docker container distribution; managed automated updates from 5 data sets using Prisma/Railway.
- Laid the groundwork for the Spring 2024 launch of the Spark Bites! with three more projects for 2024.
- Engaged Boston City Council and District 7's Tania Fernandes Anderson to create customized applications.

Dongyang Vocational Institute, Cheonan-si, South Korea Nov 2020 – Present

Software Engineer Intern (Dec 2023 – Present)

- Customized web app for 3,000+ daily student records, transitioning to multi-tenant database for commercial sale.
- Replaced outdated service, slashing monthly costs from \$800 to \$5 and streamlining staff operations.

R&D Planning Analyst (Nov 2020 – Jan 2023)

- Analyzed course enrollment data, launched new Python/Java courses with over 50+ students monthly for 2023.
- Refined compliance docs for educational accreditation, ensuring sustained 2023 government funding eligibility.

Republic of Korea Air Force, Gyeryoung-si, South Korea Sep 2020 – Jun 2022

Data System Management Group – Squad Leader (May 2021 – Jun 2022)

- Normalized large database using MySQL, resulting in faster data retrieval, and reducing onboarding time by 50%.
- Revamped team website using JSP/Java, improving plan, manual, and task tracking—work tracking up 22% in Q1.
- Reengineered legacy Java codes to a RESTful Node.js, activating neglected APIs.
- Facilitated meetings for senior officials, including 5-star generals and National Assembly audits of state affairs.

American University, Washington, DC Sep 2018 – May 2019

Teaching Assistant

- Personalized course delivery, assessed needs, condensed and organized materials—class average rose by 6%.
- Partnered with faculty to craft and present engaging Python and business statistics lessons to 60+ students.
- Led weekly interactive 4-hour review sessions and provided feedback on academic submissions.

EDUCATION

Boston University, Boston, MA Expected May 2024
BA in Computer Science

American University, Washington, DC Transferred May 2019
International Studies Major

ADDITIONAL

Technical Skills: Proficient in JavaScript, TypeScript, Node.js, Python, Docker, React/Vite, Next.js, Express.js, Git, Firebase, PostgreSQL/Railway, Trello, Slack, HTML/CSS/jQuery; Knowledgeable in Java, Spring, Expo/React-Native, MongoDB, AWS, Azure, Machine learning (TensorFlow, Keras), Figma

Languages: Korean (Native), English (Fluent)

Interests: Tennis, Cooking, Golf, Netflix, Traveling, ML/AI