Nathan Cho

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EDUCATION

Bard College Aug 2022 - May 2024

Bachelor of Arts in Computer Science, GPA: 4.0

Hudson Valley, New York, United States

• Full tuition scholarship recipient, Founder of Bard Computer Science Club, Member of Student Government

Chung-Ang University

Mar 2019 - Dec 2020

Bachelor of Engineering in Computer Science, GPA: 3.9 (transferred to Bard College)

Seoul, South Korea

• Ranked in top 10 Computer Science programs in Korea, Study abroad at Stony Brook University (Spring 2020)

SKILLS

Languages Other

JavaScript, TypeScript, Python, Java, C/C++, HTML/CSS, SQL, R, Regular Expression

Technologies React, React Native, Next.js, Android, Node.js, Jest, NumPy, PyTorch, MongoDB, Docker, AWS, Git API design, UI/UX design, User research, Entrepreneurship, Open source contribution

EXPERIENCE

Data Analyst Intern | Bard College

Jan 2023 - Current

- Initiated data analysis and visualization projects for employee operations, supporting data-driven decision-making
- Revamped database to track assignments on 120+ locations, resulting in a 15% increase in task completion rates

Engineer Sergeant | Republic of Korea Army

Jan 2021 - Jul 2022

- · Pioneered and operated a new monitoring system for tactical communication network, achieving 98% uptime
- Directed a squad of 6 combat engineers for 10 months, winning the Team of the Year Award from Major General

Software Engineer | myworkbeat Inc.

Dec 2019 - Jan 2021

- Developed and launched sugosugo local gig job listing/payment platform, built with React and deployed on AWS
- Generated initial revenue by integrating payment system, collaborating with the product owner and 2 engineers
- Increased deployment frequency by 500% and introduced automated testing by implementing CI/CD pipelines

Technical Program Manager Intern | Hyosung Corporation

Aug 2019 - Dec 2019

- Built and implemented a new internal web app for safety inspection, used by 30+ fuel cell EV charging stations
- · Planned and executed the entire project lifecycle with agile methodologies, delivering required features in 8 weeks
- Proposed and reported employee health & safety KPIs to business stakeholders by analyzing usage data with Python

Software Engineer Intern | M+ Learning Institute

May 2019 - Jul 2019

- Created a time tracking system for Android phones and kiosks, currently used by 500+ students and 80+ employees
- Engineered a serverless SMS service using Firebase, sending 2,500+ notifications for less than \$1 per month

LEADERSHIP AND ACHIEVEMENTS

Bard Computer Science Club

Dec 2022 - Current

- Spearheaded initiatives such as student project group, career workshops, alumni networking events and hackathons
- Devised and deployed marketing campaign for the club through posters and emails, achieving 70+ signups in 5 days

Mapple - Local experience curator app | React Native, Google Cloud

Sep 2022 - Nov 2022

- · Designed the ranking algorithm for place recommendations, integrating Google Maps API into user experience
- · Awarded 2nd place in a hackathon hosted by Google, leading a team of 4 to win among 130 competing teams

Handover - Knowledge base SaaS for military intranet | React, MongoDB, Docker

Sep 2021 - Oct 2021

- Led a 5-member remote team for 7 weeks, managing schedule and communicating through 15+ weekly / 1:1 meetings
- · Architected the RESTful API including access management, collaborative editing and version control features
- Winner of the Chief of Naval Operations Award (4th out of 70 teams) in the national military open-source hackathon

Tapad – Mobile music remixer | Android, Firebase

Feb 2016 – Jul 2018

• Surpassed 300,000+ installs and 3,900+ reviews on Play Store and resolved 1,500+ tickets as a solo developer