STEVEN YANG

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Work Experience

AKA AI (Top 100 AI Start-Up develops AI model for education and sales)   **Aug 2022 — Jul 2024**

Software Engineer (Alternative Military Service in Korea)

- Received Employee of the Year Award (Dec 2023)
- Achieved a 75% reduction in build time by developing the Tesla sales chatbot website using VITE.
- Boosted efficiency by 25% for AI Education service by redesigning data flow and connecting Google APIs.
- Cut website response time by 27% by building an optimized dashboard and analysis tab for a mental health app.
- Reduced AWS usage and costs by 23% after company-wide resource optimization.

TigerGraph (Develops Graph-Based Query Language, a competitor of Neo4j)   **May 2022 — Aug 2022**

Solutions Software Engineering Intern

- Produced 2 proof of value web apps, and presented to a leading US satellite TV company.
- Enhanced graph algorithms library by developing and revising 15 starter kits.

Laplace Technologies (Provides AI Data Scientist SaaS service)   **Jul 2021 — Sep 2021**

Machine Learning and Data Science Intern

- Increased customer segmentation accuracy by 15% by developing a Cohort & Life Time Value analysis model.

Skills

- **Programming Languages:** JavaScript/TypeScript, Python, SQL
- **Frameworks & Libraries:** React.js, VITE, NumPy, Pandas, Matplotlib, Flask
- **Cloud & DevOps:** AWS (S3, CloudFront, IAM)

Projects

Adaptive AI Chess   **Dec 2024**

- Implemented adaptive AI strategies combining heuristics and efficient search techniques for realistic gameplay.
- Leveraged Minimax, alpha-beta pruning, and Zobrist hashing to optimize move evaluations by 45%.

Interactive Climate Change Text-Based RPG Game   **Oct 2024**

- Awarded People's Choice Award for NASA Space Apps Challenge Mountain View, CA, Nominated to Global.
- Developed 5-stage Text-RPG frontend, integrated LLaMA backend, and optimized response time by 70%.

Education

Minerva University, San Francisco, CA   **May 2027**

B.S. in Computational Sciences (GPA: 3.9/4.0)

- Courses: Data Structures & Algorithms, Machine Learning, Single & Multivariable Calculus, Linear Algebra, Probability & Statistics, Software Engineering, Artificial Intelligence.
- Teaching Assistant to Core Computer Science courses, *(Advisor: Prof. Volkan & Prof. Tambasco)*