

Andrew D. Kim

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EDUCATION

Brown University (BS: Applied Math – Computer Science)

May 2018 – May 2022, GPA: 3.91

WORK EXPERIENCES

Brown Visual Computing Lab: Undergraduate Researcher

Jan 2019 – Feb 2020

- Developed Dash, a web-based document editor that enables detailed information gathering and expresses complex hierarchical and relational associations between each media document.
- Implemented a web-based animation editor within Dash for manipulating documents for presentations, and developed PDF document highlighting and annotation capabilities.

Artificial Intelligence (CSCI 1410): Teaching Assistant

Aug 2020 – Dec 2020

- Held office hours, built the course website, modified hidden markov model assignment, and graded papers and exams.

Workista: Founder

Nov 2020 – Jul 2021

- Created Workista: an AI-Powered talent search platform for finding freelance data scientists.
- Led a group of five software engineers and developed the web app. Implemented an NLP algorithm (BERT + Zero-shot classifier) for matching companies with freelance data scientists.

Bloom (YC S21): Software Engineer

Jun 2021 – Aug 2021

- Developed Bloom: an investing app for under-18 teenagers.
- Implemented live stock chart using IEX and Alpaca API, search algorithm, trade transaction backend logic, user authentication, and database management. Launched both IOS and Web apps.

Personal Projects

Ghibli Music Generator

Nov 2020 – Dec 2020

- LSTM + Attention model for generating MIDI file that remasters Studio Ghibli film soundtracks.

Roblox Custom Pathfinder

Jun 2019 – Aug 2019

- More efficient pathfinding algorithm using A*, combined with a knowledge-based agent for heuristic estimation.

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Math + CS Courses

AI/ML:

- Artificial Intelligence
- Computer Vision
- Deep Learning

Software Engineering:

- Object Oriented Programming
- Algorithms and Data Structures
- Computer Systems
- Software Engineering

Math:

- Multivariable Calculus
- Linear Algebra
- Applied Ordinary Differential Equations
- Applied Partial Differential Equations
- Operations Research: Probabilistic Models
- Operations Research: Deterministic Models
- Numerical Optimizations
- Statistical Inference

Skills

Language: Python, Javascript, Typescript, C, Java, Lua, HTML, CSS, Matlab

Frameworks: ReactJS, React Native, Redux, MobX, NodeJS, Material UI, Tensorflow, PyTorch, Keras, MongoDB

Software/Services: GCP, Azure, MongoDB, Heroku, Figma

Awards

- 2021 Brown Venture Prize Finalist
- Brown Breakthrough Lab (B-Lab) Cohort