https://www.bryant.li
https://github.com/bryantleee/

Bryant Lee

New York, NY

EDUCATION

Cornell University, Ithaca, NY   **August 2018 - May 2021**
- Bachelor of Science in Information Science, Concentration in Data Science, Minor in Computer Science
- Honors: Cum Laude, Dean's List: Spring 2019, Fall 2019, Fall 2020, Spring 2021

WORK EXPERIENCE

Software Development Engineer I/II | *Amazon, New York, NY*   **August 2021 - Present**
- Designed, led and implemented full-stack projects, with low-latency, highly-scalable, and highly-available infrastructure, handling tens of millions of requests per hour
- Identified, proposed and executed infrastructure optimizations, reducing hardware operational costs by 75% ($210,000)
- Communicated with external teams, designers, and managers to resolve conflicts, critique designs, identify customer pain points, and integrate projects across teams
- Providing technical and cultural mentorship to interns and new hires, resulting in accelerated onboarding, increased team cohesion, and enhanced productivity

Data Engineering Intern | *Munich Reinsurance Integrated Analytics, New York, NY*   **June 2020 - August 2020**
- Created an information retrieval system to extract numeric health data from natural language
- Proposed and executed the project's expansion to include data visualization and tagging health data with relative time
- Presented to Munich Re's clients regarding product features in order to secure external product adoption
- Optimized risk classification models through reinforcement learning and improved medical terminology extraction, using natural language processing

Software Engineering Intern | *Next Generation Scholars, San Rafael, CA*   **June 2019 - August 2019**
- Designed a tool to better keep track of students in the college application process, allowing the organization to increase the number of families they can serve by at least 50%
- Provided more accessible and targeted college information for prospective, first-generation college students, not typically provided in traditional college informational resources

RELEVANT EXPERIENCE & PROJECTS

bryant.li | *Personal Website*   **February 2023 - Present**
- Designed and developed a personal website with Next JS, deployed with Vercel
- Created assets for the website to enhance its visual appeal

Blobbo's Apple Catch | *Nintendo Game Boy homebrew game*   **March 2022 - Present**
- Designed a flexible code base that compiles down to multiple systems, including Game Boy, Game Gear, and Analogue Pocket
- Collaborated with a graphic designer to create a sticker for a physical release cartridge

Data Engineering | *Cornell Data Science*   **February 2019 - May 2021**
- Architected a robust framework and workflow for deploying Kubernetes apps with Docker images, allowing the team to deploy future projects optimized for scalability and availability on custom servers
- Demonstrated the framework's simplicity with a live, distributed facial recognition system
- Created a distributed file system as a proof-of-concept for a scalable, distributed operating system

Cornell Engineering Chair/National Operations Committee Member | *Hack4Impact*   **October 2018 - August 2021**
- Led all engineering operations by managing all tech leads and project managers, keeping track of project timelines, and creating technical workshops to foster the development of members
- Improved the bus prediction algorithm from 75% to 92% accurate for the Tompkins Consolidated Area Transit by leveraging machine learning
- Communicated with clients, gathered requirements, and developed software to their specifications
- Managed a organization national member database project to promote networking within the organization

CoursePlan | *Cornell Design and Tech Initiative*   **September 2019 - January 2020**
- Alleviated the issue of to needing to manually keep track of university/school/major requirements at Cornell by creating a requirements tracking backend
- Increased data accessibility by developing a public RESTful API for Cornell university/school/major requirements

SKILLS

Topics & Technologies: Cloud Computing • Databases • Parallel & Distributed Computing • Natural Language Processing • Machine Learning • Statistical Analysis • Regression Analysis • Data Visualization • AWS • Flask • Git
Programming: Python • Java • C • C++ • React • JavaScript • TypeScript • HTML • CSS • SQL