Gergely (Greg) Chikan

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Education

Cornell University
B.A. in CS & Math
Anticipated May 2023 | Ithaca, NY
GPA: 3.88 / 4.0

Coursework

Algorithm Analysis
Machine Learning
Computer Vision
Embedded Systems
Functional Programming
Discrete Structures
O-O Design & Data Structs (Honors)
Backend Design
Differential Equations
Probability Theory
Linear Algebra

Languages

Proficient
JavaScript • Java • Python • C • OCaml • LaTeX
Familiar
C# • SQL • HTML/CSS

Technologies

Proficient
Git • Linux • React.js • Flask • NumPy • AWS
Familiar
Google Cloud • Docker • OpenCV • Unity • TensorFlow

General Knowledge

Agile • Scrum • Cloud Computing • Project Management • Teaching • Technical Writing • DevOps • SOLID

Interests

Linguistics • Philosophy • Chess • Travelling • Photography • Biking • Rock Music • Piano • Board Games

Experience

Software Development Engineer Intern | Amazon

Jun 2021 – Dec 2021 | Dublin, Ireland

- Designed, developed, and deployed an internal autotester service to ensure the effectiveness of CloudWatch metric data recovery processes, securing the response to region-wide data outages
- Orchestrated workflows using event-driven state machines in AWS (Step Functions, Lambda, S3, DynamoDB, Kinesis, CloudWatch)
- Wrote design documents to communicate approaches/solutions to problems, using cost-benefit analysis to drive decisions
- Took weeklong MLU courses in ML and NLP and self-studied a course for AWS Cloud Practitioner certification

Software Engineer | Cornell Cup Robotics

Jan 2020 – Current | Ithaca, NY

- Designed and implemented a visual programming language and editor to control a robot through a React.js web-app
- Debugged and optimized a Raspberry Pi Camera Stream
- Built a React.js web-app for training a TensorFlow object-classification model to help students understand ML/CV

Teaching Consultant | Cornell University

Aug 2020 – May 2021 | Ithaca, NY

- CS2112: Honors O-O Design & Data Structures (Fall 2020)
- CS3110: Data Structs & Functional Programming (Spring 2021)
- Designed and graded assignments and exams
- Assisted students through discussion forums and office hours

Backend Developer | Cornell Course Management System

Jul 2020 – Dec 2020 | Ithaca, NY

- Created and tested utility JPA classes/endpoints
- Redesigned and rebuilt API to migrate from JSP to REST architecture

Projects

Mill-AI

May 2020 – Sep 2020

- A React.js web-app for the game Mill with a greedy MCTS AI altered and optimized for wide and infinite game-trees

Sorting Algorithm Visualizer

Jan 2020 – Feb 2020

- A React.js web-app for visualizing and analyzing 6 sorting algorithms on custom-generated arrays