Ryo **Kather**

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Education

Columbia University in the City of New York

BS in Computer Science | School of Engineering and Applied Sciences

Expected Dec. 2022
New York City, NY

- GPA: 3.86/4.0
- Relevnt Coursework: Data Structures and Algorithms, Databases, Distributed Systems, Machine Learning, UI Design
- Current Coursework: Natural Language Processing, Computer Vision

Experience

Google
Software Engineer Intern

June 2022 - Aug 2022
Mountain View, CA

- Built an end-to-end prototype to evaluate the effectiveness of Google Assistant response summarization for the Augmented Reality (AR) team
- Utilized speech recognition, conversational language models, and text-to-speech services in a functioning Android app
- Achieved 64% satisfaction with new summarization feature in a teamwide playtest (n = 80)

Amazon Web Services (AWS)
Software Developer Engineer Intern

May 2021 - Aug 2021
East Palo Alto, CA

- Built monitoring dashboards for an internal AWS service using Typescript, AWS Cloud Development Kit (CDK), and Amazon CloudWatch to provide better visibility into the service
- Enhanced existing logs from various backend components to provide more detailed information for the team
- Improved test coverage by 40% and performed extensive unit + integration tests to validate new functionality

KidztoPros
Coding + Summer Camp Instructor

June 2020 - Aug 2020
Fremont, CA

- Taught Java, Python, Scratch, and robotics fundamentals in small group settings to elementary and middle school-aged kids

theCoderSchool
Coding Instructor

Aug 2018 - Aug 2019
Cupertino, CA

- Instructed 6-18 year olds in a variety of programming languages
- Independently designed and taught curriculum for Scratch and Python summer camps for 20+ students

Projects

OpenTelemetry | github.com/open-telemetry

May 2021 - Aug 2021

- Contributed 700+ lines to the open source project OpenTelemetry, a project that standardizes and provides a vendor-agnostic implementation to generate, emit, collect, process, and export telemetry data
- Submitted several pull requests (PRs) that improved the Python tracing capabilities

Skills

Programming Languages	Java • Python • C/C++ • Go • Typescript • SQL • HTML/CSS/JS
Technologies	Git • Linux/Unix • Android Studio • AWS • Flask • Adobe Premiere Pro
Personal Qualities	Bilingual in Japanese + English • Strong Organizational Skills • Highly Driven