Ryo **Kather**

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Education

Columbia University in the City of New York   *Expected Dec. 2022*
BS in Computer Science | School of Engineering and Applied Sciences   *New York City, NY*

- GPA: 3.9/4.0 — Dean's List
- Relevant Coursework: Data Structures and Algorithms, Databases, Linear Algebra, Advanced (Systems) Programming
- Current Coursework: Machine Learning, Security

West Valley College   *June 2019 - May 2020*
                                                                                     Saratoga, CA

Experience

Amazon Web Services (AWS)   *May 2021 - Aug 2021*
Software Developer Engineer Intern   *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 service components to provide more detailed information for the team
- Performed extensive unit and integration tests to validate new functionality

KidztoPros   *June 2020 - Aug 2020*
Coding + Summer Camp Instructor   *Fremont, CA*

- Taught Java, Python, Scratch and robotics fundamentals in small group settings to elementary and middle school-aged kids while ensuring proper COVID-19 protocols

theCoderSchool   *Aug 2018 - Aug 2019*
Coding Instructor   *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

Finance Tracker | github.com/ryokather/FinanceTracker   *Summer 2020*

- Developed a Python-based desktop application that serves as a personal finance management tool to visualize, filter, and analyze bank statements
- Utilized PyQt framework to display the GUI in addition to using sqlite, Pandas, Numpy, and Matplotlib for data storage, analysis, and visualization

Skills

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