

Kaizen Conroy

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Experience

Software Development Engineer Intern – Amazon Web Services

6/20 – 8/20, Seattle, WA (**TypeScript, Git, AWS Certified Cloud Practitioner**)

- [Contributed](#) features in Lambda, CloudWatch, Application Autoscaling, etc for the open-source Cloud Development Kit..
- Designed and implemented API for AWS Synthetic [Canaries](#) that was launched in Developer Preview a month ahead of schedule.

Senior Computer Science Instructor II – Juni Learning

1/19 – Present, Remote (**Java, Python**)

- Cultivated student understanding in Python data structures, AP Computer Science, and USA Computing Olympiad in Java.
- Developed [curriculum](#) for new Python Algorithms course, conducted diagnostic trial lessons, and screened instructor applicants.

Computer Science Teaching Assistant – Williams College

2/19 – 5/19, Williamstown, MA (**Java**)

- Led T.A. sessions for *Data Structures in Java* course reinforcing topics like searching/sorting algorithms, hash tables, and graphs.

Software Engineer Intern – Odysseus Software

1/19 – 3/19, Remote (**Flutter, Dart**)

- Developed tutorial applications that helped company transfer its flagship poker app onto Flutter.

Projects

Ticket to Ride Board Builder – Personal

3/20 – 5/20 (**Swift, XCode**)

- Built iOS [app](#) that lets user build custom railroad network of cities and tracks. Developed underlying graph structure and Dijkstra's algorithm to find shortest path.

Microservice Cloud Native Application – Coursework

8/19 – 12/19 (**Python, Flask, MySQL, AWS**)

- Received A+ grade from Columbia Professor Donald Ferguson. Built a microservice-backed website deployed with AWS Elastic Beanstalk and AWS Lambda. Responsible for E-tag feature on MySQL database puts.

Williams Students Online – Frontend Team

1/20 – Present (**React, JavaScript**)

- Developing new features on student-maintained school [website](#).

Heads Up Poker AI – Personal

7/19 – 8/19 (**Python**)

- Built object-oriented Python console [app](#) that plays poker against the user. Uses ascii symbols to draw cards on console and AI makes bets based on poker math.

Education

Williams College – B.A., Computer Science

9/17 – 5/21, Williamstown, MA (GPA: 3.52, *Dean's List*)

- CS: Software Methods (**Swift**), Algorithm Design/Analysis, Applied Algors (**C**), Data Structures (**Java**).
- Math: Linear Algebra, Discrete Math, Game Theory, Econometrics (**Stata, R**).

Columbia University – Visiting Student in Computer Science

9/19 – 12/19, New York, NY (GPA: 3.64)

- Microservices (**Python**), Advanced Programming (**C, C++**), Artificial Intelligence (**Python**), Databases (**Python, SQL**).

Shanghai American School

9/13 – 5/17, Shanghai, China (GPA: 3.92, *Summa Cum Laude*)

- Averaged 4.82 score on 11 AP tests, 2-year captain & MVP of Varsity Baseball.

Leadership & Interests

Williams Ultimate Frisbee Organization – Captain

- Earned 2nd-team All-Region honors '19 and was Freshman-of-the-year '18.

English Teacher – Volunteer

- Taught English to disadvantaged 5th graders in rural Taiwan through selective government program.

Additional Interests

- Sabermetrics, Westworld, AI, Ticket to Ride (board game), Poker, Chess, The Beach Boys.