

Nic Doorlay
<https://github.com/doorlay>

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EDUCATION

- **California Polytechnic State University** San Luis Obispo, CA
B.S. Computer Science; GPA: 3.55 Sep 2019 - Jun 2023

EXPERIENCE

- **Amazon** San Luis Obispo, CA
Junior Software Developer Oct 2020 - Present
 - **Data Pipeline Microservice:** Designed, implemented and maintained a data pipeline microservice to ingest data used by my team. Owned the Application Security review for this service. Utilized AWS (S3, CDK, Lambda, Cloudwatch, SQS, and SNS) and Python.
 - **MX Microservice:** Designed, implemented and maintained a microservice to notify my team prior to email DNS overrides going stale, allowing my team to fix broken overrides before customers reach out to us. Utilized AWS (S3, DynamoDB, Lambda, CloudWatch, and CloudFormation) and Python.
 - **API Optimization:** Optimized my team's primary API via memoization and algorithm refactoring, resulting in a 78% reduction in latency for all API end-users.
 - **Application Security:** Worked with Amazon's AppSec team to secure cloud resources for my team.
- **Cal Poly Corporation** Santa Cruz, CA
Software Engineer Mar 2020 - April 2020
 - **Rainfall Data Processor:** Developed a script to automate rainfall data collection and manipulation processes used by scientists at Swanton Pacific Ranch. Reduced running time of process by 95% per request. Utilized Python.
- **Born This Way Foundation** New York City, NY
Reporter, Co-author Jan 2018 - Nov 2020
 - **Channel Kindness:** Co-authored the New York Times' best-selling book *Channel Kindness* with Stefani Germanotta, known professionally as Lady Gaga.

PROGRAMMING SKILLS

- **Languages:** Python, Java, JavaScript, C, Bash **Technologies:** Amazon Web Services, Linux, Flask

COURSEWORK

- Systems Programming, Introduction to Software Engineering, Bioinformatics Algorithms, Design and Analysis of Algorithms, Data Structures, Object Oriented Programming and Design, Discrete Math, Computer Architecture, Technical Writing, Programming Languages

AWARDS

- **New York Times' Best Seller:** 2020
- **Dean's List x2:** 2020
- **Seal of Biliteracy, German:** 2019
- **National Merit Scholarship Commended Student:** 2018

OTHER INTERESTS

- Philosophy, Guitar, Basketball, Cooking, Hiking