

## EDUCATION

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- **California Polytechnic State University** San Luis Obispo, CA  
*B.S. Computer Science; GPA: 3.5* Sep 2019 - Jun 2023

## EXPERIENCE

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- **Amazon Web Services** San Luis Obispo, CA  
*Junior Software Development Engineer, Security Infrastructure* Oct 2020 - Present
  - **Generalized Input Service:** Designed and implemented a generalized input service that reduced my team's development time for new data pipelines from 2 months to 8 hours; this directly resulted in 100,000+ additional malicious domains being blocked on the AWS corporate network.
  - **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 customer reach outs.
  - **API Optimization:** Optimized my team's API via memoization and algorithm refactoring, resulting in a 78% reduction in latency for all customers.
- **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.
- **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

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

## COURSEWORK

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- 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, Theory of Computation, Knowledge and Discovery from Data, Introduction to Computer Security, Ethics in Technology

## AWARDS

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- **New York Times' Best Seller:** 2020
- **Cal Poly Dean's List x3:** 2020 - 2022
- **Seal of Biliteracy, German:** 2019
- **National Merit Scholarship Commended Student:** 2018

## OTHER INTERESTS

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- Basketball, Hiking, Skiing, Rock Climbing, Acoustic Guitar