

Dylan Long

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Education

University of Colorado Boulder

B.A. Computer Science & Minor Information Science

GPA: 3.73/4.0

Boulder, CO

Expected May 2027

Relevant Coursework: Algorithms, Data Structures, Computer Systems

Certificates

Amazon Web Services

AWS Certified Developer – Associate

September 2025

Projects

Crammi.com — Website/Webapp — (In Progress)

- Implements text extraction (OCR via AWS Textract/MathPix) and AI-powered question generation (OpenAI GPT), returning structured quizzes in CSV/JSON format
- Backend leverages AWS Lambda, S3, API Gateway, DynamoDB, and Cognito for scalable, secure file processing, user authentication, and quiz storage
- Designed for subscription-based usage, allowing user tracking of quiz history and access limits
- Focused on cloud best practices including serverless architecture, token-based rate limiting, and cost-efficient, scalable AWS services

RSA Cryptography

- Implemented RSA encryption/decryption from scratch in Python, including key generation, modular arithmetic, and GCD computations, demonstrating a full end-to-end asymmetric cryptosystem.

Technical Skills

Languages: Python, C++, JavaScript, Java, HTML, CSS, Assembly, C

Developer Tools: AWS (Lambda, S3, DynamoDB, EC2, RDS, Step Functions, API Gateway, CloudWatch, IAM, Cognito), Git, Github

Libraries/Frameworks: ReactJS, NodeJS

Work Experience

New Western Mortgage

Receptionist

January 2024 – Present

- Coordinated meetings and scheduling for staff and clients
- Performed accurate data entry and maintained organized records
- Transaction coordinator

Seniors Home Care

Elderly Caretaker

Jun 2023 – December 2023

- Provided in-home care and companionship, ensuring comfort and safety
- Assisted with daily activities, including eating, bathing, and dressing
- Prepared meals and supported mobility within the home and on walks
- Performed housekeeping such as laundry and dish cleaning to maintain an organized living space

All Saints Catholic Church

Event Coordinator

May 2022 – April 2023

- Helped raise over \$120,000 in funds and organized charity initiatives
- Assisted in setting up community gatherings, weddings, and charity dinners
- Coordinated community events and supported logistics