

# Edison Lim

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## EDUCATION

### University of Toronto St. George Campus

*Candidate for Bachelor of Science in Computer Science*

Toronto, ON

*Expected Graduation: Apr. 2027*

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, HTML, CSS

**Cloud Services:** Amazon Web Services (AWS) - IAM, EC2, S3, DynamoDB, RDS, CloudFront, Lambda, API Gateway

**Developer Tools/Testing Tools:** Git, GitHub Actions, Terraform, Playwright, Postman, VS Code, PyCharm, IntelliJ

**Certifications:** AWS Certified Solutions Architect - Associate

## EXPERIENCE

### Software Developer

*RoboEDU Education Group Inc.*

Sep. 2022 – Jan. 2023

*Markham, ON*

- Developed a bilingual summer camp registration website used by over 30 parents to register 50+ students
- Programmed reusable ReactJS components to accelerate development and ensure modular design
- Streamlined data access by organizing information submitted over 50 registration forms with MySQL Workbench
- Collaborated with backend developers to ensure seamless integration across the full application stack
- Tested and debugged features to ensure a responsive and user-friendly experience

### Youth Development Coordinator

*Peoples Gospel Church*

May. 2024 – Aug. 2024

*Markham, ON*

- Managed a team of 23 staff to deliver three weeks of camp for over 75 children aged 4-12 in an orderly fashion
- Coordinated logistics and scheduling across staff teams, improving operational efficiency and teamwork
- Facilitated conflict resolution between staff and campers, maintaining a collaborative and respectful environment
- Supervised various daily activities, preserving an inclusive, fun and safe space for all campers and staff

## PROJECTS

### IAM Policy Generator | *Amplify, EC2, ASG, RDS, VPC, Terraform, FastAPI* | [Link]

Jul. 2025 – Aug. 2025

- Built a full-stack application that converts natural language prompts into valid AWS IAM policies using OpenAI's API and FastAPI, reducing policy creation time by  $\approx 60\%$  compared to manual methods
- Processed and persisted 1,000+ user prompts and generated policies in Amazon RDS (PostgreSQL), linking history to users' Google accounts for traceability
- Designed a scalable, fault-tolerant AWS architecture using EC2 with an Auto Scaling Group and an Application Load Balancer for horizontal scaling, and deployed Multi-AZ RDS with a standby instance for high availability
- Strengthened backend security by enforcing fine-grained, least-privilege IAM roles and programmatically retrieving secrets from AWS Secrets Manager instead of using environment variables
- Provisioned and managed infrastructure using Terraform and automated CI/CD pipelines with GitHub Actions, enabling reproducible and environment-agnostic deployments requiring zero manual configuration

### Personal Website | *IAM, S3, DynamoDB, CloudFront, Lambda, API Gateway* | [Link]

Jun. 2025 – Jul. 2025

- Created a personal portfolio website using JavaScript, HTML and CSS and hosted it on AWS S3
- Reduced page load time by 78% (124ms  $\rightarrow$  27ms) using CloudFront edge caching and optimized content delivery
- Secured website traffic by requiring HTTPS for communications when accessing the website via CloudFront
- Implemented a serverless backend by storing visitor count in DynamoDB and updating it by invoking a Lambda function through the API Gateway
- Automated full CI/CD pipelines with GitHub Actions for both frontend and backend by using Terraform to deploy AWS infrastructure and performing end-to-end testing with Playwright, cutting deployment time by 50%

### Bill Splitting App | *Java* | [Link]

Nov. 2024 – Dec. 2024

- Launched a Java-based receipt parsing application that accurately splits bills across users based on itemized consumption with 100% accuracy, saving amounts into dynamic debt balances
- Led a 4-member team and delegated tasks based on each individual's strengths to guarantee timely delivery
- Applied Clean Architecture principles to ensure scalability, modularity, and maintainability