Edison Lim

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EDUCATION

University of Toronto St. George Campus — Toronto, ON
Bachelor of Science in Computer Science (ASIP/CO-OP) — *Expected Graduation: Jun. 2027*
- **Relevant Coursework:** Operating Systems, Data Structures and Algorithms, Software Design, Principles of Programming Languages

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C, HTML, CSS
Cloud Services: Amazon Web Services (AWS) - IAM, EC2, S3, DynamoDB, RDS, Lambda, API Gateway, Bedrock
Developer Tools/Testing Tools: Linux, Git, GitHub Actions, Terraform, Postman, VS Code, PyCharm, IntelliJ
Certifications: AWS Certified Solutions Architect - Associate

EXPERIENCE

Software Engineer Intern — Sep. 2022 – Jan. 2023
RoboEDU Education Group Inc. — *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 integrate features seamlessly across the full application stack

Youth Development Coordinator Intern — May. 2024 – Aug. 2024
Peoples Gospel Church — *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

AI Tech Support Chatbot | *Bedrock, DynamoDB, Lambda, API Gateway, SNS* | [Link] — Aug. 2025 – Sep. 2025
- Deployed a serverless enterprise-grade chatbot handling millions of concurrent users with 99.95% uptime
- Integrated the Claude 3.5 Haiku large language model via Amazon Bedrock with response validation, PII redaction, and intelligent escalation detection, reducing live human support needs by 60%
- Crafted a rigorous system-prompt framework that encodes company policies and tone guidelines directly into the Bedrock invocation, ensuring every Bedrock response is policy-compliant, brand-aligned, and JSON-valid

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 70% 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

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 → 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 CI/CD pipelines with GitHub Actions and Playwright and provisioned AWS infrastructure using Terraform, enabling reproducible, environment-agnostic deployments and cutting deployment time by 50%