# Emily Lin

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## Technical Skills

**Languages** — Python, C, Java, Kotlin, SQL, R, JavaScript, TypeScript, HTML5, CSS3, Bash/Shell scripting

**Frameworks** — Node.js, Express.js, FastAPI, Tailwind CSS, Bootstrap

**Libraries** — React, jQuery, AWS SDK, Axios

**Databases** — MySQL, Amazon RDS, DynamoDB, MongoDB, Firebase

**Cloud & Deployment** — Amazon Web Services (AWS), Heroku, Netlify, Vercel, Render

**Operating Systems** — Linux(Ubuntu), Windows

**Technologies & Tools** — Docker, Kubernetes, Terraform, Jenkins, Vite, Postman, Swagger, Hugging Face, Figma, Git

## Projects

**AWDEA (Adults with Disability Entertainment Access)**    04/2024 – 05/2024
*React | Node.js | MongoDB | AWS | Stripe | Flowbite | HTML | CSS*
- Built and launched a nonprofit platform offering free event tickets for adults with disabilities, boosting accessibility and community engagement.
- Developed a secure admin dashboard and integrated Stripe, raising thousands in donations while improving platform security.
- Automated raffle selection with AWS Lambda/EventBridge and optimized scalability by 20%+ through CloudFront and Certificate Manager.
- Improved user security with JWT recovery, express-session logins, and RBAC access control.

**Course Scheduler** 🔗    11/2024 – 12/2024
*React | Tailwind CSS | Node.js | AWS Lambda | API Gateway | Elastic Beanstalk | DynamoDB*
- Built a role-based academic scheduling platform to manage courses with interactive & dynamic timetables.
- Reduced conflicts by implementing validated CRUD operations across admins, faculty, and students.
- Designed a serverless microservices backend using AWS Lambda, API Gateway, and Elastic Beanstalk to improve scalability and maintainability.
- Improved efficiency by applying load balancing and multithreading to DynamoDB queries.
- Streamlined deployments with AWS CI/CD pipelines, reducing manual errors and speeding up releases.

**AI Steps** 🔗    10/2024 – 11/2024
*Python | REST APIs | Hugging face LLM | Swagger | MySQL | SQL*
- Developed as part of a team of 4, focusing on a modular Python-based API server.
- Integrated a large language model to process user inputs and provide personalized location recommendations.
- Implemented request-tracking middleware to monitor usage and improve performance.
- Designed and documented endpoints using Swagger for better collaboration and usability.

## Education

**Computer Systems Technology Diploma (GPA: 4.0)**    01/2023 – 12/2024 | Burnaby, BC
*British Columbia Institute of Technology (BCIT)* 🔗
Relevant Coursework: OOP, Cloud Computing, DevOps Engineering, Serverless Computing, Software Architecture, Data Structures & Algorithms, Web & Mobile App Development, Networking & Security

**Bachelor of Transportation Technology and Management**    09/2011 – 06/2015 | Taichung, Taiwan
*Feng Chia University* 🔗

## Experience

**Full Stack Developer**                                                    04/2024 – 05/2024 | Vancouver, BC
*AWDEA (Adults with Disability Entertainment Access)*
- Delivered production-ready nonprofit platform (see Projects).
- Collaborated in an Agile team, debugging user issues, refining features, and iterating quickly based on feedback.
- Strengthened teamwork, problem-solving, and communication skills while coordinating across design and development tasks.

**Personal Development & Career Preparation**                               09/2020 – 12/2022
- Transitioned during the pandemic, using this time to research career paths and prepare technical readiness through self-study to prepare for BCIT's CST program.
- Got citizenship and balanced personal responsibilities with family, including travel between Canada and Taiwan.

**Store Clerk**                                                             12/2019 – 08/2020 | Richmond, BC
*Tiger sugar*
- Promoted and sold products while coordinating with team members to ensure efficient service and smooth store operations.

**Kitchen Assistant**                                                      09/2017 – 05/2019 | Richmond, BC
*Sanpoutei Ramen*
- Prepared ingredients and cooked menu items while ensuring consistent quality and timely service.

**Cashier**                                                               10/2016 – 09/2017 | Burnaby, BC
*T&T Supermarket*
- Provided accurate checkout service and managed transactions efficiently.

**Reservations Specialist**                                               03/2016 – 07/2016 | Taipei, Taiwan
*Ho-Hsin Bus Traffic Company Ltd*
- Managed sales and assisted customers with personal and corporate orders, while addressing inquiries and complaints to maintain customer satisfaction.
- Coordinated vehicle, cargo, and passenger scheduling while handling orders and payments to maintain efficient operations.

**Freight Forwarding Sales Representative**                               01/2015 – 06/2015 | Taichung, Taiwan
*Panda Logistics Company Ltd*
- Developed and maintained client relationships, promoting international freight forwarding services across air, sea, and land transport.
- Prepared quotations, handled sales orders, and coordinated with carriers and internal teams to ensure on-time delivery of goods.
- Resolved customer inquiries and issues regarding shipments, documentation, and billing, ensuring service quality and client satisfaction.

**Station Staff**                                                         07/2014 – 07/2015 | Taichung, Taiwan
*Kuo-Kuang Motor Transportation Company Ltd*
- Processed ticket sales, exchanges, and payments using station ticketing systems.
- Assisted passengers with inquiries, travel information, and issue resolution to ensure smooth journeys.
- Supported station operations by coordinating passenger flow and maintaining safety in waiting areas and
- platforms.