




CHENJIE NI

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PROFESSIONAL EXPERIENCE

Back-end Engineer, Ecopia Tech Corp. May 2021 - Present
Full-time | Focusing on the platform web application *Toronto, ON*

Full-stack Developer, Crowdmark Inc. Jun. 2019 - May 2021
Full-time | Developed and maintained the SaaS application *Toronto, ON*

- Implemented an OMR system using affine transformation technique which runs on AWS Lambda
- Imported all existing AWS resources into Terraform and automated the cloud infrastructure

Cloud Infrastructure Engineer, Easy Group Inc. May 2018 - Present
Part-time | Ensuring that APPs deployed on the cloud are secure and highly available *Remote*

- Migrated existing self-hosted, linux-based infrastructures to AWS managed services
- Deployed cloud-native solutions using AWS CDK to reduce latencies for Chinese users by up to 96%

EDUCATION

University of Toronto, St. George Campus Sep. 2015 - Jun. 2019
Honours Bachelor of Science *with high distinction* **Cumulative GPA: 3.95 / 4.0**

- Specialist in computer science focusing on artificial intelligence and computer vision. Minor in math.

TECHNICAL SKILLS

Languages	Python, JavaScript/Node.js, Ruby, Bash, HCL, HTML, SQL, C, CSS, Java
Cloud Providers	AWS, GCP, Alibaba Cloud, Azure
Dev Tools	Git(Hub), SVN, Vue.js, Ember.js, jQuery, Ruby on Rails, Serverless, NoSQL
Ops Tools	Linux, AWS CDK, Docker, Terraform, Terragrunt, Ansible, CircleCI, TravisCI
Other Toolset	L ^A T _E X, Markdown, Jekyll, ESXi, Proxmox, OpenWrt, Raspberry Pi, Network proxies

RELEVANT PROJECTS

Exam101, an online resource sharing platform (Vue.js + Serverless Python) Aug. 2020
Team Project (team of two) *Home*

- Built a fully serverless app using NoSQL DynamoDB, AWS Lambda and Amazon S3

The PatchMatch Algorithm (Python + NumPy + OpenCV) Mar. 2018
Individual Project, CSC320: Intro to Visual Computing *University of Toronto*

- Reduced the runtime of the algorithm introduced in the original paper by 10x
- Algorithm efficiency ranked 1 out of 200 students without compromising image quality

HONORS, AWARDS & ACCOMPLISHMENTS

AWS Certified Solutions Architect - Professional Certification	Jul. 2021
AWS Community Builder, Amazon Web Services Inc.	Oct. 2020 - Present
Mc Nab Undergraduate Scholarship (\$995), Woodsworth College	Jan. 2019
Dean's List Scholar in the Faculty of Arts and Science, UofT	Every year from 2015 to 2019