



# CHENJIE NI

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 chenjie-ni ◇  chenjie

## PROFESSIONAL EXPERIENCE

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### AWS Community Builder, Amazon Web Services Inc.

Part-time | Technical AWS community program

Oct. 2020 - Present

*Remote*

### Full-stack Developer, Crowdmart Inc.

Full-time | Ember.js + Ruby on Rails + AWS

Jun. 2019 - Present

*Remote*

- Developed an OMR system using affine transformation technique which runs on AWS Lambda
- Imported all existing AWS infrastructures into Terraform and leveraged Terragrunt to make it DRY

### Cloud Infrastructure Engineer, Easy Group Inc.

Part-time | Collaborate with teams in both Canada and mainland China

May 2018 - Present

*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%

### Teaching Assistant, University of Toronto

Part-time | Course code: MAT135/136 and CSCB09

Sep. 2018 - Aug. 2019

*Toronto, ON*

- Marked assignments & exams and gave students constructive feedbacks

## EDUCATION

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### University of Toronto, St. George Campus

Honours Bachelor of Science *with high distinction*

Sep. 2015 - Jun. 2019

**Cumulative GPA: 3.95 / 4.0**

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

## TECHNICAL SKILLS

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

## RELEVANT PROJECTS

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### Exam101, an online resource sharing platform (Vue.js + Serverless Python)

Team Project (team of two)

Aug. 2020

*Home*

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

### The PatchMatch Algorithm (Python + NumPy + OpenCV)

Individual Project, CSC320: Intro to Visual Computing

Mar. 2018

*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

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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