



# CHENJIE NI

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 chenjie-ni ◊  chenjie

## PROFESSIONAL EXPERIENCE

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- AWS Community Builder, Amazon Web Services Inc.** Oct. 2020 - Present  
Part-time | Technical AWS community program *Remote*
- Full-stack Developer, Crowdmark Inc.** Jun. 2019 - Present  
Full-time | Ember.js + Ruby on Rails + AWS *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.** May 2018 - Present  
Part-time | Collaborate with teams in both Canada and mainland China *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** Sep. 2018 - Aug. 2019  
Part-time | Course code: MAT135/136 and CSCB09 *Toronto, ON*
- Marked assignments & exams and gave students constructive feedbacks

## EDUCATION

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- 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

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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)** 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

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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