

Justin Yu

(385) 384-9981 | chentingyu0117@gmail.com | <https://www.linkedin.com/in/yu-chen-ting>

EDUCATION

Brigham Young University (BYU)

Apr. 2022

Bachelor of Science, Computer Science: Software Engineering Emphasis

Provo, UT

- GPA 3.97/4.00
- Member of BYU Developer Club, BYU Competitive Programming Club
- Relevant Coursework: AWS Certified Solutions Architect – Associate, Algorithm Design, Software Design

SKILLS

- Proficient: AWS, Terraform, Firebase, React-Native, Flutter, Linux/Unix, Python, Java, JavaScript, Node.js, Git, CI/CD
- Intermediate: Kubernetes, Docker, Serverless, Django, GCP, TCP/IP, VPC, TypeScript, SQL, PostgreSQL, MySQL
- Basic: Jenkins, Selenium, Flask, HTML, CSS, ASP.NET MVC, C#

EXPERIENCE

Lead Software Engineer

Sep. 2021 – Apr. 2022

TeachingItRight

South Jordan, UT

- Documented and diagrammed the company's current AWS infrastructure by inspecting 10+ AWS services
- Increased availability and scalability by migrating company website from single EC2 to Kubernetes
- Increased applications' security by finding multiple security breach, adding security group, and fixing routing in ELB

Software Engineer

Sep. 2021 – Nov. 2021

Tribe

Provo, UT

- Optimized size of backend code by refactoring 2000 lines of code and modularizing into classes and sharable functions
- Decreased the time for backend deployment by 30% by building CI/CD using Cloud Builder and Docker

Efficiency Engineer Intern

May. 2021 – Aug. 2021

Adobe

Lehi, UT

- Saved clusters' cost and reduced resources overhead in current microservice infrastructure in cost efficiency team
- Developed a service to send alert to various Slack channels to inform the nodes' threshold violation on Kubernetes
- Created Grafana dashboard that monitored over 20+ nodes utilization in over 20+ clusters on Kubernetes

Web Developer

Jan. 2021 – May. 2021

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Provo, UT

- Developed office websites using Zappa, Django, and AWS services such as S3, DynamoDB, CloudFormation
- Hosted and developed serverless websites that automatically scale with traffic fluctuations of 20k+ users
- Reduced 50% AWS resource management overhead and decreased resources provision time by suggesting to us IaC such as CloudFormation
- Increases 40% deployment productivity through CI/CD using Code Pipeline, Code Build

Full-Stack Developer Intern

Jun. 2020 – Oct. 2020

Arrived

Lehi, UT

- Developed a property booking mobile application employing React Native, Expo, Node.js, Firebase and GCP
- Improved software security by suggesting project manager to store credentials in Secret Manager instead of Firestore
- Secured the backend infrastructure by provisioning VPC for Cloud Functions to be allowlisted for 3rd party API
- Reduced the overhead of manual interaction by automating to renew 3rd party API tokens periodically with Cloud Scheduler