

# HANNAH APUAN

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## EMPLOYMENT

### SendGrid, A Twilio Company

Senior Software Engineer, Denver, CO

Mar. 2021 - Sept. 2024

Backend engineer planning, leading, and working on on account model and billing engineering solutions with REST APIs in an AWS architecture. Experience in designing, building, migrating, and maintaining multi-product account model systems including moving on-prem microservices to an AWS architecture.  
Skills: AWS (Lambda, SQS, SNS, SSM, API Gateway, Route53, CloudWatch, DynamoDB, etc), AWS Go SDK, Golang, Terraform, Chef, Buildkite, Jenkins, Docker, Splunk, Python, MySQL, REST, Kubernetes, Kafka

Software Engineer II, Denver, CO

Apr. 2019 - Current

Billing and compliance engineering solution with REST APIs. Experience in designing, building, and maintaining account model systems including moving on-prem microservices to an AWS architecture.  
Skills: AWS (Lambda, SQS, SNS, SSM, API Gateway, Route53, CloudWatch, DynamoDB, etc), AWS Golang SDK, Terraform, Chef, Buildkite, Jenkins, Docker, Splunk, Python, Golang, MySQL, REST

Software Engineer I, Denver, CO

Sept. 2017 - Apr. 2019

Working on REST APIs and moving microservices to the cloud. Also product owner of the signup and login flow to increase customer growth through A/B testing.  
Skills: Golang, AWS (DynamoDB, SQS, S3, API Gateway, Lambda functions, AWS Golang SDK), REST Architecture, Microservice Architecture, Buildkite, Terraform, ReactJS, Redux, Docker, Jenkins, JSX, Nginx, MVC, Typescript, Optimizely

Software Engineer Intern, Denver, CO

June 2017 - Sept. 2017

Creating an end-to-end classification system to build datasets for supervised learning models and making enhancements to developing machine learning models.  
Skills: Go, Docker, ReactJS, Electron.io, NodeJS, MySQL, AJAX, jQuery, CentOS, MVC modeling

### Level3 Communications

Global Pricing and Marketing Intel Intern, Broomfield, CO

Oct. 2016 - Apr. 2017

Automating large-scale SQL and Oracle database migration for financial analysis and creating Tableau telecom finance reports.  
Skills: SQL Server, OracleDB, Python, R, ODBC, Tableau, Batch Scripting

### Forsythe Security Solutions

Architecture Delivery Intern, Denver, CO

June 2016 - Sept. 2016

Using Apache Nifi, Nginx, Cassandra, and Docker to massage data and then to deliver securely payloads on a large scale from IoT devices to the Cloud.  
Skills: Cassandra, CQL, CentOS, Apache Nifi, Nginx, Spring Cloud Dataflow, ApacheMQ

## EDUCATION

### University of Denver (2014 - 2017)

Bachelor of Science Computer Science

+ Mathematics Minor

+ German Language and Literature Minor

### Signature School (2010 - 2014)

International Baccalaureate Diploma

## AWARDS

### Cypher Capture the Flag - Lifetime Badge Winner, Cyphercon

Apr. 2024

Rewarded a lifetime badge for the Cyphercon conference for being the first to solve the Cypher CTF which utilized cryptography, steganography, and cipher puzzles.

### Superior Execution Magic Owl Award, Twilio

Fall 2019

Awarded for leading a company-wide initiative for employees to donate at least 5% of their time to community service on a team that helped find, build, and advertise to the entire 10,000 person company opportunities to enable outreach.

### 1st place - Implementation of Aragon Governance, ETHDenver Hackathon

Feb. 2018

Created a blockchain dApp using ReactJS, Node, Web3, Truffle, and Ganache (TestRPC) which integrated Aragon Governance to do custom namespacing for projects and serve the data using BigchainDB/IPFS/etc creating a completely decentralized swarm site for macro funding where teammates deployed a custom APM.

### Outstanding Departmental Service Award, University of Denver

2017

Awarded for community involvement in initiatives to bring women into tech

### GHC Scholar, Anita Borg Institute

2017

Sponsored by HP Enterprise in partnership with the Anita Borg Institute to attend Grace Hopper, the world's largest gathering of women technologists

### 2nd Place, Startup Weekend DU

Oct. 2015

52-hour competition to create a startup company called CampusNow with a function app for iOS and Android using Ionic

## ACTIVITIES

### STEM Volunteering Club @ SendGrid, Co-chair

2017 - 2019

Leading, planning, and recruiting for STEM volunteering initiatives around the Denver area for SendGrid employees.

### Women in Computing, DU President and Co-Founder

Dec. 2014 - June 2017

Improving gender equality in tech industry and academics

## VOLUNTEERING

### University of Denver Mentor, Denver, CO

Nov. 2018

Mentor at the "Mentor for a Moment" event with the Ritchie School Engineering and Computer Science Department where I helped over 60 current undergraduate and graduate engineering students with career and academia mentorship advice.

### HackCU, Judge and Women in Tech Panelist, Boulder, CO

2018 - 2019

In 2019, one of three professional judges to evaluate the prize winners. In 2018, Speaking on a panel to attendees of HackCU, Rocky Mountain Region's largest collegiate hackathon held at the University of Colorado Boulder, about being a woman in tech.

### ChickTech, Keynote Speaker, Denver, CO

Jan. 2018

Keynote speaker at the inaugural event for the Denver chapter to empower underprivileged female highschoolers to STEM fields, particularly tech.