

# HANNAH APUAN

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## 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

## EMPLOYMENT

### SendGrid, A Twilio Company, Senior Software Engineer, Denver, CO

Mar. 2021 - Sept. 2024

Backend engineer planning, leading, and working 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

## AWARDS

### 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

Project incorporating blockchain technology. Created a 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. All of this work was done during a sleepless 36-hour period at ETHDenver, the largest Ethereum hackathon / conference in the US.

Project Info: <https://devpost.com/software/community-jumpstart>

### 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

### Aspirations in Computing - Indiana, National Center for Women and Information Technology

Apr. 2013

Award based on technology and computing; leadership ability; academic history; and plans for post-secondary education

## 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 women 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.