

# Ben A. Gertz

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## EDUCATION

**Tulane University**, New Orleans, Louisiana

B.S., Cell and Molecular Biology and Computer Science Coordinate Major, Class of 2020

## SUMMARY

Highly reliable, detail-oriented Software Engineer with experience in the agile development of cloud-hosted systems using both Go and Java Spring Boot. Technologies used include Elastic Beanstalk, EC2, Lambda, Redis, and DynamoDB to accomplish cloud-based tasks. Strong interpersonal skills to effectively communicate with managers and collaborate with coworkers. Skilled at leading interviews and assessing talent. A fast learner and team player ready to contribute to the overall success of a company.

## EXPERIENCE

### Backend Software Engineer

**Fetch Rewards**, Chicago, Illinois and New York, New York

October 2020—March 2023

- Responsible for the creation and maintenance of low latency cloud hosted microservices
  - Reduced p99 across the stack by identifying and eliminating redundant network calls
- Led the technical design for a fraudulent point accounting service written in Go and hosted in Elastic Beanstalk
- Designed and built Fetch's first complex AWS Step Function using Node.js Lambdas and deployed with Terraform
- Interviewed and code screened dozens of apprentices, engineering, and engineering manager candidates
- Successfully mentored an apprentice candidate through a three-month contract for hire program

### Software Developer

**rMark Bio**, Chicago, Illinois

May 2019—August 2020

- Developed a test suite using Test Café in Javascript for CI/CD product pipeline
- Built a recommendation engine for speaker programs using social media analytics algorithms to analyze a Neo4j graph
- Developed a chat bot using the MS Bot Framework and the LUIS natural language understanding engine for a new way to interact with rMark APIs
- Built a RESTful API test harness using the Jest JavaScript testing framework
- Started as a Software Development Intern and was quickly promoted to Capstone Collaboration, then full Developer

### Genetics Research Intern

**Sackler School of Medicine, Tel- Aviv University**, Tel- Aviv, Israel

June—August 2018

- Raised and performed experiments on USPC-1 and 2 human ovarian cancer cells
- Results showed a correlation between exposure to IGF-1 and Insulin and expression of a gene responsible for the over production of estrogen, a cause of ovarian cancer

## CAMPUS INVOLVEMENT

**Lab Intern, Tulane Department of Computer Science**, New Orleans, Louisiana

August 2018—March 2019

- Contributed to a web-based tool for the implementation of a researcher's algorithm to determine the likelihood of whether a sequence of amino acids within a protein would be useful in vaccine development
- Employed the Python language using the Dash framework for graphical analysis and presentation

**Brother, Alpha Epsilon Pi Fraternity**, Tau Upsilon Chapter

## SKILLS & INTERESTS

- **Computer:** Go, Java Spring Boot, AWS (EB, Dynamo, Lambda, Elasticache, EC2, Step Functions), Terraform, Bitbucket Pipelines, Git, Agile, Python, Node.js, Jira
- **Language:** Spanish (intermediate verbal, reading and writing)

## RELEVANT COURSEWORK

- Intro to Computer Science I (Python and fundamental concepts), Intro to Computer Science II (Java and OOP, C, Haskell), Systems and Networking (OS fundamentals and IP), Discrete Math, Algorithms, Software Studios (Agile webhosted development), Advanced Networking