ERIN BERG

BS Computer Science 2020
Bioinformatics Concentration

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SUMMARY

I am a recent Computer Science and Bioinformatics graduate with internship experience at Homesite Insurance. I recently completed a graduate bioinformatics class at Boston University and built a database application to organize and visualize data from research on apolipoprotein E in Alzheimer's disease. I'm passionate about using computers to benefit people's health and am looking for a consulting or software engineering role within the healthcare or biotechnology fields.

EDUCATION

Boston College Morrissey College of Arts and Sciences
September 2016 - May 2020
Chestnut Hill, MA
Bachelor of Science in Computer Science, Concentration in Bioinformatics

- ◆ Relevant Coursework: Algorithms, Data Mining, Advanced Database Implementation, Natural Language Processing, Software Engineering, Web Application Development, Biological Database Implementation, Introduction to Bioinformatics, Investigations in Molecular Biology
- ◆ Activities: Facilitator of Emerging Leader Program, Trip Leader for Outdoor Adventures Program, Member of Computer Science Society, Women in Computer Science Club, Women in Business Mentorship Program, Intramural Volleyball and Soccer Teams, Arrupe Immersion Program, 4Boston Volunteers, and Appalachia Volunteers.

University of Hong Kong Faculty of Engineering
January - June 2019
Hong Kong

Academy of Our Lady of Peace
September 2012 - May 2016
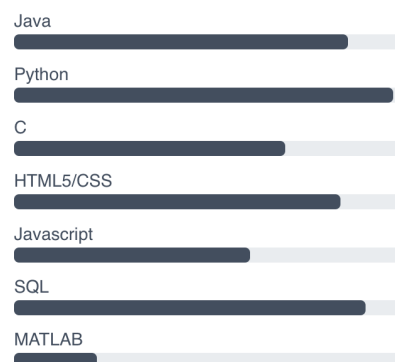San Diego, CA
High School Diploma

WORK EXPERIENCE

Software Engineer Intern
June 2019 - August 2019
Homesite Insurance, Boston, MA

- ◆ Developed microservices in Java for Homesite's sales platform, following Agile methodology
- ◆ Leveraged third party REST APIs to fetch and process customer history
- ◆ Worked with tools such as Amazon S3, Redis, and AWS Elasticache

Technologies used:

`Java` `Spring` `Redis` `Amazon S3` `DynamoDB` `AWS Elasticache`

Accounting Analyst
September 2016 - May 2020
Boston College Auxiliary Services, Chestnut Hill, MA

- ◆ Put weekly inventory into Excel, ran Macros, analyzed the data
- ◆ Input and paid invoices using Access and PeopleSoft financials

Teaching Assistant
September 2018 - May 2020
Boston College Computer Science Department, Chestnut Hill, MA

- ◆ Taught a discussion section to 25 students weekly
- ◆ Tutored students and graded problem sets

SKILLS & TOOLS

Languages

Java

Python

C

HTML5/CSS

Javascript

SQL

MATLAB

Frameworks, Tools, and Technologies

`Django` `React` `Spring` `DynamoDB`

`Redis` `Git` `Firebase` `AWS`

`MySQL` `Splunk`

PUBLICATIONS

Co-Authors: Nadeau D, Tan K.
Optimizing Data Mining Techniques to Improve Breast Cancer Predictions. *Elements.* Spring 2019.

VOLUNTEER EXPERIENCE

Teaching Assistant at the Edison School
Sept 2019 - May 2020

Volunteer at MissionSAFE After School Program   Sept - Dec 2018

Intern at Bridge Over Troubled Waters
Sept 2017 - May 2018

Volunteer at Miracle League of San Diego   Sept 2013 - May 2016