BENJAMIN ZEITLIN

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OBJECTIVES

To find a Computational Modeling position or related IT fields, where I can contribute and grow professionally. To work with a diverse and technical, dynamic team in a constructive environment either online or in the Northern Virginia, or Blacksburg Virginia area.

EDUCATION

- B.S. Computational Modeling and Data Analytics, expected Spring, 2024
  - Minor: Computer Science, Mathematics, Statistics and English. Virginia Tech. GPA: 3.5.
  - Potentially pursuing Master's in Computational Modeling and Data Analytics in Fall 2024.
- Advance Studies Diploma with Information Technology Honors, Battlefield High School.
  Cum Laude; Academic Excellence Governor of Virginia;
- Governor's Certificate of Recognition for the Early College Scholars Program, 2020 at Northern Virginia Community College, GPA: 4.0 Summa Cum Laude.

LICENSES AND SKILLS

- Programming Intensive Experience
  - Experience in Java (4 years), Python (5 years), C++ (1 year), C (2 years)
  - Worked with multiple different libraries such as PANDAS, Requests, etc.
  - Worked on Data Structures involving stacks, queues, nodes, etc.
- Data Analysis Techniques and Machine Learning
  - Primary Focus in SQL, Azure, R, TSQL and PLSQL.
  - Currently learning Machine Learning in multiple ML courses such as Intermediate Data Analytics & Machine Learning
- Technical Scripting and Query Languages
  - JSON, CSS3, HTML4, HTML5, XML, Dreamweaver, Access, SAS
  - Specific Experience with R (3 years) and SQL (6 years). Worked with datasets upwards of a million entries. Integrating R in R studio to analyze data using statistical inferences.
  - Experience mapping and planning databases using Entity Relationship Diagrams (ERDs) including mapping attributes, key types, data dictionaries, etc.
- Computer Programs/Content Management Systems (CMS)/Software Life Cycle Management (SLCM)
  - GitHub, Eclipse, Visual Studio Code, Entity Relationship Diagrams (ERD), Excel, Word, MS Office, Oracle Databases, SQLite, Slack, anaconda3(Jupyter, Spyder)
  - Use of multiple language libraries in Python, Java, and R Studio.
- Undergraduate Teacher's Assistant for Introductionary Python courses for non-technical students. (1 year)
- C.S.C. Information Systems Technology Database Specialist, Summa Cum Laude, 2020, NVCC.

JOB EXPERIENCE

- Family Vet Hospital, Assistant Vet Technician, Summer Fall 2019, Summer Fall 2020
- Virginia Tech College of Engineering, Undergraduate Teaching Assistant (UTA), Fall 2022-Spring 2023
- Center for Biostatistics and Health Data Science (CBHDS) Researcher, Summer 2023-Present
- Academy of Integrated Science Student Web Developer (AIS), Summer 2023-Present

BACKGROUND

- Debate Club Captain (2018-2020), Public Speaker (2014-2020), Web Designer (2018-Present), FRC Robotics (2019-2020), Cooking Club President (2022-present)

- Started a non-profit organization at Virginia Tech focused on teaching and spreading cooking around VT. We service over 400+ students and attentively hold events upwards of 70+ people at a time. I lead and run a group of 15 students and coordinate multiple events a week.
- Artificial Intelligence (AI) and Machine learning club. Cooker. Animal Shelter Volunteer. Creative Writer. Extroverted and Passionate Individual with strong leadership skills. Student Assistant at Gilbert Linkus Elementary School.

PROJECTS

- George Mason University "Introduction to SQL databases presentation and entity relationship discussion" document. (2020)
- "The state of triple stumpers, a Jeopardy game analysis" document using machine learning and statistical analysis to evaluate the validity of Jeopardy questions. (Summer 2022)
- "Partial Least Squares Introduction and Applications" document. A basic dive into partial least squares techniques and applications for beginners. (Fall 2022)

RECOGNITION/AWARDS

- Dean's list Spring 2021, 2022, 2023.
- Data Analytics Competition 1st place (Fall 2021)
- Data Analytics Competition Datafest 2nd place (Spring 2022)