Eleonor Bart
Software Developer

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CAREER SUMMARY

Highly motivated Software Developer with a master's degree in Animal Science, professional experience in data analytics, and a passion for full stack development. A detail-oriented professional who thrives in fast-paced, intensive, research-focused environments. Excellent communicator, skilled at presenting and conveying complex, domain-specific information to team members in easy to understand terms.

RELEVANT SKILLS

Languages: Java, Python, JavaScript, TypeScript, R **Other:** Git, Hibernate, MySQL,
Frameworks: React, Angular, Spring Boot, Django Agile, ScrumMaster, Solidity, Blockchain

PROFESSIONAL EXPERIENCE

ZIP CODE WILMINGTON, Wilmington, DE   **February 2019 - present**
Student Software Developer
Completing over 800 hours of software development projects and training in an immersive program. Led project-focused student teams and solved complex problems in Java, Python, Spring Boot, Django, and React.
   Development Projects:
   - **Casino App:** Served as Scrum Master for a team of five in planning and developing a Java-based casino app.
   - **Cocktail Compendium App**: Created an app that allows users to search for and save cocktail recipes. Utilized a MySQL database with a Spring Boot framework and a React frontend.
   - **Choose Your Adventure:** Developed a Django app for hosting and running text-based adventures that are written in Python. Uses Brython for running the games and Postgres for saving games.

UNIVERSITY OF DELAWARE, Newark, DE   **May 2018 – September 2018**
Consulting Data Analyst
Developed a streamlined, reusable bioinformatics pipeline that enabled graduate researchers to analyze a backlog of microbial data and supports ongoing research. This pipeline performs statistical analyses on bacterial and fungal DNA in Qiime 2, R, and JMP.

VIRGINIA TECH, Blacksburg, VA   **May 2015 – July 2018**
Development Consultant I January 2018 – July 2018
Served as a tester, proofer, and designer with a team of instructional designers in creating a scalable, motivating Python curriculum for non-computer science majors. This award-winning curriculum has been used to teach over 1,000 students across multiple universities.

Graduate Researcher I May 2015 – May 2017
Conducted and published research on the relationship between reproductive performance and feed efficiency to determine if a new measurement of feed efficiency could be safely used as a breeding standard across dairy cows.

EDUCATION

VIRGINIA TECH, BLACKSBURG, VA   **May 2017**
Master of Science in Animal Science, Breeding and Genetics Lab

VIRGINIA TECH, BLACKSBURG, VA   **May 2015**
Bachelor of Science in Animal Science