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Ryan DeBose-Boyd

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Summary of Qualifications

- Highly experienced with standard laboratory environments, practicing aseptic technique, and handling hazardous materials.
- Solid knowledge of chemistry, DNA techniques, genetics, and biochemistry concepts.
- Analytical and critical thinker with sound abilities to effectively communicate to lab staff and personnel.
- Skilled in Swift, C++14, HTML5, Microsoft Office Suite, and CSS3, well-organized and detail-oriented, and capable of multitasking effectively to increase company production.
- Resourceful and analytical team player that is constantly seeking new knowledge.

Bachelor of Science in Biology

GPA: 3.87

Graduation: 5/11/19

Texas A&M University – Commerce, Commerce, Texas

Relevant Coursework

- Intro to Computer Programming
- Programming Fundamentals II

Programming Languages and Frameworks

- Most experienced with Swift and Microsoft Office Suite.
- Comfortable with HTML5, CSS3, C++14, and Bootstrap.
- Working knowledge of Python 3 and the unittest framework.
- Some knowledge of JavaScript and Ruby on Rails.

Projects

Sweet T's Grill & Sno Cones (<http://www.sweettsidabelok.com>), February 2019

- Collaborated with clients to generate a web design that suits their needs.
- Completely responsive static website that uses Bootstrap.
- Built from scratch using HTML5, CSS3, and JavaScript.
- Deployed using Heroku.

Run or Shine ([App Store Link](#)), ([GitHub Link](#)) November 2018 – Present

- An iOS application that was built using Swift.
- Integrates CocoaPods to help determine whether user has internet service.
- Gets the user's location and extracts JSON data from an API (OpenWeatherMap API) to display the current weather and suggest to the user clothes to wear for a run outside.

Cycle-Trac (<https://cycle-trac.herokuapp.com/>), November 2018

- A web application that was built as a way to conveniently keep track of my cycling playlists/workouts during a group fitness cycling class.
- Built with Ruby on Rails framework

Work Experience

Summer Intern, 6/2013 – 8/2013, 6/2014 – 8/2014, 6/2016 – 8/2016, 6/2018 – 8/2018

University of Texas Southwestern Medical Center, Dallas, Texas

(2013)

- Performed various experiments (ELISA, FACS) under supervision.

(2014, 2016)

- Performed several PCR assays in order to determine the genotype of several mice with elevated cholesterol.

(2018)

- Performed and interpreted multiple qPCR assays in order to test the effects of different drugs on lipolysis induction that is present in animals with Cachexia.
- Compiled data from lab experiments into figures or tables and shared knowledge at weekly lab meetings.

Peer Tutor, 8/2016 – 1/2018

- Assisted students in completing their assignments for courses including General Chemistry, General Biology, General Physics, Pre-Calculus, and Calculus.
- Helped explain science and math concepts in a way that was easy to understand.

Undergraduate Research, 5/2017 – 3/2018

Texas A&M University- Commerce, Commerce, Texas

- Gathered information from previous research conclusions and conducted an independent project using lab techniques that were learned from observation.
- Presented results from lab experiments at weekly lab meetings.
- Effectively communicated lab results at Pathways Student Research Symposium 2017.
- Mentored new lab members on basic lab procedures while keeping up with own research and classwork.

Leadership Positions

Tri-Beta Secretary, 1/2017 – 2/2019

Texas A&M University- Commerce, Commerce, Texas

- Collaborate with other members and officers to develop Science Days for the surrounding communities to educate younger students about science.
- Increased club attendance by 50% through consistent announcements (via email) of science-related events that are occurring around campus.
- During Fall 2016 and Fall 2017, helped organize an annual food drive that helps get food to local individuals that are in need during the Thanksgiving and Christmas seasons.

Honors and Awards

Texas A&M University – Commerce President's List

- Received Spring 2016, Fall 2016, and Spring 2017
- Given to students who have a 3.5 GPA for the semester