Brandon Aguirre

📍 Broomfield, CO ✉ baguirre1249@gmail.com 🌐 www.brandonaguirre.com

Work Experience

Software Engineer Internship
Funeral Innovations, Louisville CO
05.2017 – 09.2017
Designed, developed, and deployed a quiz platform using PHP, CakePHP, SQL, Javascript, CSS, and HTML. The quiz platform allows Funeral Innovation's (FI) admin to easily create quizzes using an intuitive web application interface. FI admin can then deploy the quizzes to customers' Facebooks and websites. End users then take the quizzes and the results are saved to a database and sent to FI customers.

Funded Undergraduate Research (BSI - Biological Sciences Initiative)
Integrative Physiology of Aging Laboratory at CU Boulder
09.2016 – 05.2017
I applied and was granted funding by the BSI program to conduct research in the Integrative Physiology of Aging Laboratory (IPA Lab). As a BSI Scholar working in the IPA Laboratory, I create organized and reusable code for an ongoing longitudinal study on the plasma matabalome and it's correlations with physiological function decline with aging. Other duties I perform consist of reworking and documenting previously written code. Technologies and programming languages I use in the lab consist of R and RStudio, Python and Jupyter Notebook, and git and github.

Course Assistant
University of Colorado at Boulder – Computer Science 1 (1300)
08.2016 – 12.2016
As a course assistant, my main duties were to help students with their homework, recitation work, projects, as well as studying for their exams. Helping students to understand the material requires communicating the fundamentals of computer science in a clear and concise manner. I hosted open help hours for students that generally consist of two to fifteen students at a time. This means I had to work efficiently to answer questions and relate concepts to multiple students at once. The class material required that I helped students understand the fundamentals of python and C++.

Education

B.S. Computer Science, Expected May 2019 (GPA 3.3)
Artificial Intelligence, Software Development Methods and Tools, Principles of Programming languages, Algorithms, Computer Systems, Discrete Math, Data Structures

A.A. University of South Florida, 2013
Focused in biology – completed; Biology 1 & 2, Gen Chemistry 1 & 2, Anat & Phys 1 & 2.

References
Available upon request.