Rielle Quiambao

rielle.quiambao@gmail.com • +1.919.381.2006 • github.com/baorie • linkedin.com/in/riellemq
Durham • North Carolina • United States

Summary

Junior at Duke University majoring in **Computer Science** & **Applied Mathematics** taking a gap year to work in tech. Passionate about **machine learning**, **data science**, and **innovation**.

Education

Duke University — Durham, NC
B.S. in Computer Science & Applied Mathematics — *Anticipated May 2020*

Experience

Software Developer Intern — Chapel Hill, NC
Hearful — *September '18 – Present*
Responsible for developing and maintaining web scrapers for product insights and customer sentiment data. Used natural language processing analytics and machine learning implemented with **Python**, **Scrapy**, and **MongoDB**.

Software Engineer — Durham, NC
ScaleShark — *May '18 – August '18*
In charge of drawing and carrying out the vision for the tech department consisting of 3 developers. Streamlined email marketing communications with Sendgrid platform, implemented **Python**, **Scrapy**, and **MongoDB** for content mining. Intimately involved with all of company's technically challenging projects.

Lead Developer — Chapel Hill, NC
UNC-Chapel Hill Department of Physics & Astronomy — *July '15 – August '15*
Built and designed **Python** Kelvin-Helmholtz visualization scripts that aided in graduate research of interstellar medium. Built scripts using Princeton University's Athena, grid-based code for astrophysical magneto-hydrodynamics (MHD).

Teaching Assistant — Durham, NC
Durham Academy Summer Technology Program — *July '14 – August '17*
Taught programming basics using MIT's Scratch and Google's CS First program to elementary & middle school aged children. Promoted group collaboration, inter-team communication, and problem solving in a classroom environment. Aided international students with limited English proficiency using alternative teaching methods and resources.

Projects

Conway's Game of Life — bit.ly/2NaBUTQ
Implemented cellular automaton in **Python** and **NumPy** in Terminal.

ASCII Art Generator — bit.ly/2wEwWEy
Generates ASCII art in Terminal window using **Python**, **NumPy**, and the **Python Imaging Library (PIL)**.

Autonomous Vehicle — Duke IEEE
Helped program a prototype autonomous vehicle using an RC-car and web-cam. Built using **Python** and **OpenCV**.

Integrated Design Challenge — Introduction to Electrical Engineering (110)
Designed a robot equipped with sensing, motor capabilities, and an Xbee radio. Built using **Arduino**, and **C++**.

Skills

Technical expertise: Software design and implementation in a collaborative environment. Proficient in Python. Familiar with Java, MATLAB, and GNU Octave. Learning C/C++ and Javascript. Solid knowledge of HTML+CSS.

Natural languages: Tagalog/Filipino *(native proficiency)*, English *(native proficiency)*, Spanish *(limited working proficiency)*, and Mandarin Chinese *(beginner)*.