Anthony Botello

Entry-level Software Developer
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SKILLS

- HTML
- CSS
- JavaScript
- jQuery
- AJAX
- Bootstrap
- Python
- Django
- C#
- ASP.NET Core
- MySQL
- Node.js
- Express.js
- MongoDB
- Angular
- TypeScript
- Nginx
- Numpy
- Scipy
- Matplotlib
- Jupyter Notebook
- Pandas
- Ubuntu
- Java
- Azure fundamentals

PROJECTS

PHYS 434 at UW: Advanced Data Analysis Techniques for Large Datasets
(https://github.com/anthonybotello/PHYS_434)
- Portfolio-based data analysis course at UW utilizing Python, Jupyter Notebook to consolidate prose and code; Numpy and Pandas for data manipulation; SciPy for statistical distributions and mathematical operations on data; Matplotlib to visually present results.

Let's Eat (https://le.anthonybotello.com/)
- Full stack MEAN application deployed on Ubuntu 18.04 Azure Virtual Machine.
- Users can add new restaurants or review existing restaurants.
- Includes both backend and frontend validations for all forms.
- Technologies: JavaScript, TypeScript for writing front-end and back-end logic; Angular for front-end application functionality; Node.js, Express.js, MongoDB for interfacing between front-end and database; Bootstrap, HTML, CSS for front-end presentation, Nginx to serve application over Internet.

Product Manager (https:/pm.anthonybotello.com/)
- Full stack MEAN application deployed on Ubuntu 18.04 Azure Virtual Machine.
- Users can add new restaurants or review existing restaurants.
- Includes both backend and frontend validations for all forms.
- Technologies: JavaScript, TypeScript for writing front-end and back-end logic; Angular for front-end application functionality; Node.js, Express.js, MongoDB for interfacing between front-end and database; Bootstrap, HTML, CSS for front-end presentation, Nginx to serve application over Internet.

Activity Center (https://ac.anthonybotello.com/)
- Full stack ASP.NET Core application deployed on Ubuntu 18.04 Azure Virtual Machine.
- Users can register/login to post, view, join, or edit activities.
- Includes backend validations for all forms.
- Technologies: C# for writing back-end logic; ASP.NET Core, Entity to build MVC application; MySQL for database; Bootstrap, HTML, CSS for front-end presentation, Nginx to serve application over Internet.

Handy Helper (https://hh.anthonybotello.com/)
- Full stack Django MTV application deployed on Ubuntu 18.04 Azure Virtual Machine.
- Users can register/login to post, view, add, or edit jobs.
- Includes backend validations for all forms.
- Technologies: Python for writing backend logic; Django for building MTV application; SQLite for database; Bootstrap, HTML, CSS for front-end presentation, Nginx to serve application over Internet.

Blackjack (https://misc.anthonybotello.com/blackjack)
- Simple game of blackjack.
- Technologies: JavaScript, jQuery for game logic; HTML, CSS, Bootstrap for front-end presentation.

Trivia (https://misc.anthonybotello.com/trivia)
- Simple game of trivia.
- Technologies: JavaScript, jQuery for game logic; AJAX for calls to API; HTML, CSS, Bootstrap for front-end presentation.

EXPERIENCE

University of Washington // 2018 – Present
Undergraduate Research in Physics
- Undergraduate research in the principles of particle detector design as well as detector signatures and backgrounds.
- Utilized Python with Numpy, Scipy, Jupyter Notebook, Matplotlib, and Pandas to analyze large sets of particle collider event data.

Undergraduate Research in Chemistry
- Undergraduate research in electronic structure theory; utilized Gaussian software to approximate nonlinear optical properties of simple molecules.
- Utilized Mathematica to analyze large data sets of molecular orbital energy data.

United States Air Force Reserve // 2012 – 2017
Integrated Avionics Technician (AFSC: 2A852B)
- Provided maintenance support for missions flown by the C-5 aircraft of the 433rd Airlift Wing at Lackland AFB, TX.
- Provided maintenance support for missions flown by the C-17 aircraft of the 446th Airlift Wing at McChord AFB, WA.
- General aircraft maintenance including troubleshooting/maintenance of aviation electronics.
- Held SECRET security clearance, granted December 2011.

EDUCATION

University of Washington // 2017 – Present
Bachelor of Science, Physics (Graduating March 2020)
- Undergraduate-level course work in electromagnetism, classical mechanics, thermodynamics, particle and nuclear physics, mathematics, computer science; graduate-level course work in quantum chemistry, quantum mechanics, and group theory.
- Laboratory course work in electronic circuits, particle and nuclear physics, and computational methods.

Coding Dojo, Seattle // 2019
Graduate, September 2019
- Web fundamentals: HTML, CSS, and JavaScript.
- Full stack web development: Django, ASP.NET Core, MEAN.

Tacoma Community College // 2014 – 2017
Undergraduate, Transfer
- Transferred out in 2017.

Community College of the Air Force // 2012
Technical Training, Integrated Avionics
- Completed Electronics Principles apprentice course at Keesler AFB, MS.
- Completed Instrument and Flight Control Systems Avionics Fundamentals apprentice course at Sheppard AFB, TX.