

Anthony J. Maddox

Full Stack Software Engineer

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I am a software engineer with a background in fisheries biology and music. The desire to be with my family in Maryland and a fascination for all things science fuel my desire for continued education and my career in software development. My adaptability and forbearance make me successful in working with multiple, diverse teams, simultaneously. I offer a passion for front-end development with the tools for programming my artistic masterpieces to life.

Skills:

- **Languages:** Python, Javascript, NodeJS, CSS, HTML
- **Frameworks:** React, Express, Django
- **Databases:** MongoDB, Mongoose, PostgreSQL
- **Hardware:** Mac/PC
- **Tools:** Git, Github, Heroku

Experience:

Software Engineering Immersive | General Assembly | DC/Remote Online | 06/2020–09/2020

Successfully completed 500+ hours of expert led instruction and hands on learning of computer science fundamentals and the industry's most in demand technologies. Developed projects, including:

- Honeymoon Website mock-up: An HTML and CSS only recreation of an Adobe XD design.
- The Card Game of War: Programmed with Javascript and played inside the console.
- Mars Rover Camera Application: Accesses the NASA API to generate pictures from the Mars Rover.
- Poisonous Plants Flash Card Game: Test your knowledge of poisonous plants!
- React Storybook: My first component library mock-up of an Adobe XD design.
- Indian Cities API: Backend API of states, districts and cities with full CRUD routes.
- Coders-Cookoff API: Backend API for group project with full CRUD routes.
- Indian Cities/State of Manipur: React front-end access to my Indian Cities API.
- Contact-Book: A contact book ran in the terminal programmed with python and peewee.
- Statistics Without Borders Client Website: Our GA group capstone project. I built the backend API with django and the individual project pages for front-end with react.

North Pacific Groundfish Observer | Alaskan Observers Inc. (AOI) / National Marine Fisheries Service (NMFS) Certified | Seattle/Alaska Ports | 06/2012 – 04/2020

- Managed teams of up to three observers on vessels as the Lead Observer
- Communicated with multiple, diverse teams on a daily basis (Fishermen, NMFS and AOI)
- Produced confidential biological data on commercial fishing vessels in Alaska and off the West Coast
- Endured 90 day contracts with 12+ hour shifts
- Mastered the ATLAS Fisheries Database system for entering, analyzing and transmitting data
- Participated in the At Sea Hake Observer Program (ASHOP) off the West Coast (2016)
- Assimilated the Halibut EFP (exempted fishing permit) program into observer duties: An effort to reduce halibut mortality by sampling and releasing halibut on deck (2016 - 2020)
- Volunteered to collect stomach and ovary samples for respective labs at NMFS (2019 - 2020)
- Gathered eDNA samples/Jewel Squid samples/Seabird and Mammal interaction documentation

Golf Course Groundskeeper | Tetherow/Broken Top, Golf Courses | Bend, OR | Seasonal 2006-2011

Education:

Software Engineering Immersive | General Assembly | Washington, DC | 06/2020–09/2020

Bachelor's Degree in Environmental Science | University of Oregon | Eugene, OR | 2006-2010

- One term at the Oregon Institute of Marine Biology (OIMB)