Anthony J. Maddox
Full-Stack Software Engineer

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I am a software engineer with a background in fisheries, biology and music. A fascination for the solutions and artistic opportunities that computers present, drives my continued education and career in software development. I offer versatility and enthusiasm for contributing to both front-end and back-end projects. My adaptability and forbearance make me successful in working with multiple, diverse teams, simultaneously.

Skills:
- **Languages:** Javascript, Python, Node.js, CSS, HTML
- **Frameworks:** React, Express, Django
- **Databases/Mapping:** MongoDB, PostgreSQL, Mongoose, Peewee
- **Hardware:** Mac/PC
- **Tools:** Git, Github, Heroku, Netlify

Experience:

Teaching Assistant | General Assembly | DC/Remote Online | 10/2020 - present
- Set up zoom meetings for after hours support for the Software Engineering Immersive course

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:
- 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: A 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: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 | Summers 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)