Ryan Young

Full Stack Web Developer
Portfolio: ryoung.netlify.com

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SUMMARY

I am a full stack web developer, with proficiency in Javascript and Python, and a strong motivation to learn and grow. My passion for programming combined with my experience working in the environmental sciences field, makes me detailed-oriented individual, able to work closely with others, and always thinking forward, as well as quick to learning new skills and technologies. I am looking for an opportunity to apply these skills and experiences to society, while continuing to learn and develop my skills.

SKILLS

Front-End Development – HTML, CSS, jQuery, HTTP Request/Response, AJAX, Bootstrap
Languages – JavaScript, Typescript, Python, Swift
Back-End Development – MySQL, SQLite, NoSQL (MongoDB), Mongoose.js, Bcrypt
Development Tools – AWS (Amazon EC2), Bash, Sublime, Xcode
Methodology – OOP, MVC, RESTful Architecture, ERD, CRUD Operations, Responsive Web Design
Version Control – Git/Github
Frameworks – Express.js, Socket.io, Django, Angular, Node.js, Flask

PROJECTS

24 Game

Currently deployed on Amazon EC2.

Description: A multiplayer web application game using socket.io in which users compete to see who can make the value 24 using all 4 displayed numbers.

- Worked independently, built the UI, game logic, and server to user connections.
- **Technologies:** JavaScript, Express.js, Node.js, Angular, Socket.io, Bootstrap

WEEH: Where Eat, Eat Here

Placed 1st in a Python Hackathon amongst 4 teams.

Description: A restaurant finding web application that uses the cuisine preferences of multiple users to select up to three restaurants around a given location.

- Built with a team of 2 developers, contributed with the UI, design and back-end.
- **Technologies:** Python, Django, Google Maps API, Yelp API, MySQL

Pokedex Trivia

Placed 1st in a Swift Hackathon amongst 8 teams.

Description: A trivia iOS application that uses the Pokemon API to pull a description about a random Pokemon and allows the user to guess which one it is.

- Worked independently, built the UI and the logic for API calls, and then displays information onto the View Controller.
- **Technologies:** Swift, Pokemon API, Core Data, AV Foundation.

EXPERIENCE

Scientific Aid, *California Department of Fish and Wildlife*
Stockton, CA — Nov 2015 – Jan 2018

- Worked with a Field Crew of 5-6 people to collect biological samples from the San Francisco Estuary year round. Identified species and sex for various fish and invertebrate species found in the bay.
- Recorded data and managed the population monitoring database that multiple environmental groups throughout the state relied on.
- Achieved a reduction of 30% in training time for new recruits by revamping protocols for processing biological samples.

Research Associate, *University of California Davis*
Davis, CA — Jun 2015 – Dec 2015

- Performed swimming and behavioral experiments on green sturgeon from constructing experiment protocols to recording data through R and Excel.
- Utilized critical-thinking and observation skills to analyze experimental data through R and write up scientific papers for publishing.

EDUCATION

Coding Dojo, San Jose, CA — Jan 2018 – Apr 2018
Certificate of Completion – Full Stack Web Developer

- An intensive programming boot camp that teaches the fundamentals of front-end development as well as three different full stacks: Python, MEAN, and Swift. Dedicated over 1000+ hours of coding to create various websites and projects using different frameworks and databases. Gained the knowledge and skills for full stack web development, such as to deploy a full website from client to server to database.

University of California Davis, Davis, CA — Sept 2011 – Jun 2015
Bachelors of Science – Animal Biology

ACHIEVEMENTS

Publications

- Co-author, "Transmission of a heterologous clade C *Symbiodinium* in a model anemone infection system via asexual reproduction." *PeerJ* 4:e2358 https://doi.org/10.7717/peerj.2358

Awards

- **Taiwan Tech Trek 2014 2nd Place Award**, Second place award at the Academic Conference in the field of Life Sciences.