Ryan Young

Software Developer

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SUMMARY

I am a software developer with proficiency in Javascript, Python, and Swift and have the experience to develop applications from front-end to back-end. I formerly worked in the environmental sciences field, in which I gained experience in research, data collection, and publishing. I hope to expand my knowledge and experience of this field and contribute my skills back to society.

SKILLS

Front-End Development – HTML, HTML5, CSS, CSS3, jQuery, HTTP Request/Response, AJAX, Bootstrap
Languages – Javascript (ES5 and ES6), Typescript, Python, Swift
Swift Technologies – UIKit, Auto Layout, Core Data, Core Motion, Core Location, MapKit, AV Foundation
Back-End Development – MySQL, SQLite, MongoDB, Mongoose.js, Bcrypt
Development Tools – AWS, Terminal, Sublime, Xcode
Methodology – OOP, MVC, RESTful Architecture, EDD, CRUD Operations, Responsive Web Design
Version Control – Git/Github
Frameworks – Express.js, Socket.io, Django, Angular, Node.js, Flask
Deployment – Amazon EC2, Netlify

PROJECTS

WEEH: Where Eat, Eat Here

Placed 1st in a Python Hackathon amongst 4 teams.

Description: A restaurant finding web application that uses multiple user preferences to select a restaurant.

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

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.**
- **Technologies:** Swift, Pokemon API, Core Data, AV Foundation.

24 Game

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:** Express.js, Node.js, Angular, Socket.io, Bootstrap

EXPERIENCE

SCIENTIFIC AID at California Department of Fish and Wildlife
Stockton, CA ▪ 11/2015 to 01/2018

- 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 and managed data that multiple environmental groups relied on for population monitoring.
- Trained and managed new recruits, while revamping protocols for processing biological samples.

RESEARCH ASSOCIATE at University of California Davis
Davis, CA ▪ 06/2015 to 12/2015

- 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 – 2018
Certificate of Completion – Full Stack Web Developer

- An intensive programming bootcamp 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 – Degree received June 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