

Zach DeLuna
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EDUCATION

Oregon State University
Bachelor of Science in Computer Science, March 2019 GPA 4.0/4.0

Indiana University, Bloomington, IN
Bachelor of Science in Business Economics & Public Policy, May 2009 GPA 3.8/4.0

SKILLS

Coding: C/C++, JavaScript, Python, x86 Assembly, HTML, CSS
Technologies/Environment: React, Express, Vim, Git, MongoDB, Firebase, SQL, Google App Engine, Postman

PROJECTS

Fitness App Project (Spring 2019) – a web application where users can participate in fitness challenges

<https://wazn-capstone.firebaseio.com>

- Designed a RESTful API to work with team members' web based client
- Created API using Node and Express with a MongoDB backend
- Implemented Model-View-Controller architecture
- Tested each API endpoint by creating 100 tests using Postman

Recipe Tracker (Fall 2018) – a web application where users can organize recipes

https://recip_scheduler-227221.appspot.com/

- Created RESTful API using Node and Express with a Google Firebase backend
- Designed front-end user interface using React
- Deployed web application using Google App Engine

A Small Shell (Summer 2018) – a shell that can interpret commands

- Coded in C that can run multiple foreground and background commands by forking processes
- Supported redirection of standard input and output
- Interpreted signals such as SIGINT and SIGTSTP

EXPERIENCE

Math Curriculum Editor – MobyMax - Remote (October 2012 – Present)

High School Spanish Teacher - Teach For America – Oakland, California (August 2009 – June 2011)