NICHOLAS D. PEZZA

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Education

BACHELOR OF SCIENCE IN COMPUTER SCIENCE AT CALIFORNIA UNIVERSITY OF PENNSYLVANIA IN MAY 2015 (GPA: 4.0)

· Minors: Mathematics and Chemistry
· Arthur and Millicent Gabriel Merit Award Recipient (outstanding grades in major and high moral standards)
· As a capstone project, developed a web tool using Ruby on Rails, that assisted students in determining what classes they should sign up for based on their current major and transcript.

Programming and Open Source Contributions

· Languages: Ruby, Javascript, CoffeeScript, SQL, HTML5, CSS3, TypeScript, Python, C, C++
· Frameworks: Ruby on Rails, jQuery, React, Electron
· Experience working with version control (Git/GitHub), MySQL and PostgreSQL databases
· Contributed to multiple open source projects including Ruby on Rails, Xterm.js, Administrate, and Draftsman.
· Developed a Ruby gem to interact with Absorb's Learning Management System REST API.
· Developed a Rails plugin, Chat, that utilizes ActionCable and allows for real-time communication between users.
· Developed a desktop terminal emulator, Archipelago, on Electron using CoffeeScript, React, and Xterm.js and created an accompanying Atom package.

Work Experience

N2 PUBLISHING, WILMINGTON, NC | WEB DEVELOPER | SEPTEMBER 2015 - PRESENT

· Integral maintainer of a client order entry and payment application that was built using Ruby on Rails by creating tested features and reviewing peers code in an Agile environment.
· Developed features for a new publication management system, that utilizes Ruby on Rails, which tracks publications' design status, assists communication between clients and ad designers, and helps increase productivity and decrease costs.
· Rebuilt and deployed the entire public facing website (n2pub.com) in less than one month using design mock-ups and Ruby on Rails.
· In conjunction with our user experience designer, created and maintain a front-end style guide Ruby gem to document and centralize the design language throughout all of N2's applications (https://n2publishing.github.io/n2-styles).
· Completed year-long in-house leadership training.

THE DEPARTMENT OF DEFENSE, FT. MEADE, MD | WEB DEVELOPMENT INTERN | SUMMER 2013 AND 2014

· Developed, tested, and briefed team members and the product owner on Ruby on Rails code for a Production Control System and a web application management system to monitor organization infrastructure.
· Using PHP in conjunction with a PostgreSQL database, created web-based messaging display application to promote communications, leveraging televisions and monitors to generate, control the distribution of, logically group, and display the content.

THE NATIONAL CANCER INSTITUTE, FREDERICK, MD | LABORATORY INTERN | MAY 2010 – MAY 2011

· Performed Polymerase Chain Reaction to genotype DNA to look specifically for polymorphisms in human specimens afflicted with focal segmental glomerulosclerosis.

Activities

· California University of PA Cross Country and Track Team; *Member* (2011-2015)
· Appointed by the Computer Science Program Chair to be on the Advisory Board (2014)