

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 in an Agile environment. Some of my responsibilities included re-architecting how commissions were determined, scoping the application to handle different publication products with separate rules and production schedules, and updating the old API for payment processing, and reviewing code changes.
- 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

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