

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, SQL, HTML5, Haml, CSS3, SCSS, SASS, Python, C
- Frameworks: Ruby on Rails, React, Electron, jQuery, Bootstrap
- Experience with Git and GitHub, MySQL and PostgreSQL databases, Sidekiq, Capistrano, Elasticsearch, AWS, S3
- 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 desktop terminal emulator, Archipelago, using Electron, Javascript, React, and Xterm.js and created an accompanying package for the Atom editor. (<https://archipelago.pezza.co>).

Work Experience

N2 PUBLISHING, WILMINGTON, NC | SOFTWARE ENGINEER | SEPTEMBER 2015 - PRESENT

- Lead developer on a team that created a Rails application that tracks and progresses publications through the entire print process until they are ultimately shipped to increase efficiency and metrics.
- A maintainer of a large client order entry and payment application that was built using Ruby on Rails in an Agile environment. Some of my responsibilities include refactoring how commissions are determined, scoping the application to handle different publication products with separate rules and production schedules, updating the old API for payment processing, and reviewing, merging, and deploying code changes.
- Created and continue to maintain a Ruby gem for managing single sign-on and off for all of N2's applications.
- Developed features for a new publication management system, that utilizes Ruby on Rails, which tracks publications' design status, assist communication between clients and ad designers, help increase productivity, and decrease costs.
- Lead developer on a team that rebuilt and deployed a refresh of the public facing website(n2pub.com) using design mock-ups and Ruby on Rails that exceeded everyone's expectations including the CEO's.
- In conjunction with our user experience designer, created and continue to maintain a front-end style guide Ruby gem to document and centralize the design language throughout N2's apps (n2publishing.github.io/n2-styles).
- Completed a year-long in-house leadership training course.

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)