ANDREW AQUINO

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Address
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Education

Rensselaer Polytechnic Institute | Bachelor of Science, Computer Science — August 2014 - May 2018
- Cumulative GPA: 3.41/4.00
- Coursework includes Programming Languages, Introduction to Algorithms, Foundations of Computer Science, and Computer Organization.

Work Experience

3M Health Information Systems | Software Engineering Intern — May - August 2016
- Collaborated on intern Scrum team to develop ElasticSearch Nexus, an employee-facing dashboard Web application which displays visualizations of process log data to help make information-driven decisions.
- Created user interfaces to perform create, read, update, and delete functionality on users and visualizations using an in-house AngularJS framework.

Autotask Corporation | Software Development Intern — June - August 2015
- Refactored C# and JavaScript code for an IT business management ASP.NET Web application in accordance with corporate style guides.
- Tested code changes to ensure correction of existing software bugs and maintain form validation.

Project Work

Web Systems Development | FixxSquared — Fall 2016
- Developed a secure Web application to improve upon RPI's existing maintenance and repair service for on-campus residents using an Apache, PostgreSQL, PHP, and JavaScript stack.

Operating Systems — Fall 2016
- schedulemaster | Designed and implemented a Python process simulation model to compare efficiency between first-come first-served, shortest job first, and round robin process scheduling algorithms.
- mnemokinesis | Extended the above simulation model to compare efficiency between next-, best-, and worst-fit contiguous physical memory allocation algorithms.

Introduction to Artificial Intelligence | Iago — Spring 2016
- Implemented Python for an artificial agent designed to defeat both human and AI players in the board game Othello.

Principles of Software | CampusPathsGUI — Fall 2015
- Developed Java GUI application implementing Dijkstra's algorithm to find the shortest path between two locations on RPI's campus.

Extracurricular Activities

Tau Epsilon Phi Fraternity, Epsilon Iota Chapter
- House Computing Chairman — Spring 2015 - Present
  - Administrated chapter website and published relevant recruitment event information.
  - Implementing d3.js with Angular 2 and TypeScript to visually represent chapter lineage.
- Chaplain — Fall 2016 - Present
  - Created budget and organized event materials for brotherhood dinners, subsequently awarded Chairman of the Semester for Fall 2016.
  - Fairly delegated food preparation and cleanup tasks using a Python script.

deanslist — December 2016
- Designing database and frontend for Django startup website which allows college students to trade items with or solicit services from one other.

Eagle Scout — November 2013

Open-Source Contributions

- HackRPI | HackaMatch — November 2016
  - Designed and built W3.CSS frontend for a website that enables hackathon participants to build groups based on skill matchups.
- Tau Epsilon Phi national website — December 2016 - Present
  - Reimplementing user profile pages for Django overhaul of www.tep.org.

Skills

Design and implementation in JavaScript, Python, C, C++, Java, some SQL
Markup languages: HTML, CSS, LaTeX
Programming practices: Scrum development, Apache Subversion, MVC design pattern
Web languages and APIs: AngularJS, jQuery
Adobe Photoshop, Illustrator CS6
Languages: Proficient in Spanish, familiar with Mandarin Chinese

Academic Honors

Dean's List of Distinguished Students — Fall 2014 - Present
Rensselaer Leadership Award — Fall 2014 - Spring 2018