Nicholas Munarriz

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OBJECTIVE

Seeking a full-time position or an internship where I can apply my programming abilities, passion, and critical thinking skills to further the mission of your company.

EDUCATION

Bachelor of Science in Computer Science   **July 2012 - May 2016**
Bachelor of Science in Mathematics
University of Florida, Gainesville, FL
GPA: 3.86/4.00
Minor: Business Administration
Relevant Computer Science Coursework: Data Structures & Algorithms, Operating Systems, Software Engineering, Computer Organization & Design, Programming Fundamentals, Digital Logic, and Information & Database Systems
Relevant Mathematics Coursework: Combinatorics, Linear Algebra, Number Theory, Abstract Algebra, Sets & Logic, Advanced Calculus (analysis), Numerical Analysis, Differential Equations, and Applications of Discrete Structures
Involvement: Member of Student Honors Organization and the University Scholars Program

EXPERIENCE

Software Development Engineer Intern, Amazon   **May 2015 - July 2015**
Seattle, WA
- Worked with the Reports & Analytics team to optimize the Order History Reports backend
- Rewrote application to use a new noSQL database
- Created new data model to reduce both latency and data redundancy
- Wrote plan to migrate data from old mySQL database with minimal application downtime
- Received positive feedback from manager and mentor for completing project efficiently and correctly

Tutor, University of Florida Teaching Center   **January 2014 - Present**
Gainesville, FL
- Tutor mathematics up to and including calculus and analytical geometry
- Acquired ability to express complex ideas in simpler terms effectively

PROJECTS & RESEARCH

Computational & Analytic Number Theory Research, Dr. Francis Garvan   **January 2015 – Present**
- Perform research related to the properties of modular groups in $SL_2(\mathbf{Z})$
- Funded by a grant from the University Scholars Program

Full Stack Web Development, Save Our Cats and Kittens Inc.   **January 2015 – April 2015**
- Worked as a developer on a small team for a cat shelter to a management system to allow employees to keep track of cats, donations, volunteers, and more
- Used many modern technologies including AngularJS, MongoDB and Node.js
- Personally responsible for creating a system to allow volunteers to sign in and out at shelter, and to allow employees to check the status of and information of volunteers

Other Projects
- **Postfix Calculator App:** Created an iOS app which allows users to visualize the stack used in postfix computation while they perform operations in postfix notation
- **TopEight:** Wrote all of the code used in the website www.topeight.com

SKILLS

- **Languages:** Java, C++, Ruby, C, Assembly, Javascript, Swift, SQL, HTML, CSS, Maple
- **Operating Systems:** Windows, Mac OS X, and Unbuntu, Redhat Enterprise Linux
- **Software**: Git, Maple, Vim, Eclipse, Xcode, VisualStudio, and Code::Blocks