NICHOLAS S. WACKS

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WORK EXPERIENCE

Programmer Analyst   **Young Life**   **September 2016 – Present**
- DevOps Engineer for internal customers, working in several technology stacks, predominantly ASP.NET and SalesForce, using Microsoft TFS for source control and continuous integration.
- Performed web application enhancements and fixes as part of an agile development team working in two week sprints, using scrum methodologies for project management.
- Used Dell's Boomi AtomSphere to implement a major ETL process that takes data from a new cloud-based system, and translates and transfers it to a legacy database system for internal reports.

Junior Web Developer   **Outreach, Inc.**   **June 2015 – August 2016**
- Full-Stack web developer working in an ASP.NET/C# MVC stack with JavaScript and SQL Server, using Git and GitHub for source control.
- Developed internal web applications for product data management, implementing an AngularJS UI, and an Entity Framework powered API.
- Designed an image process to automate the creation of web-ready images, saving an average of 10 hours per week of art department time.

Intern   **Intelligent Software Solutions**   **May 2011 – November 2014**
- Internship with a focus on software testing and Graphical User Interface design in Java and JavaScript.
- Provided testing and bug fixing for large-scale Java data applications.
- Wrote automated testing for web applications using Selenium.

Teaching Assistant   **University of Colorado, Colorado Springs**   **August 2013 – May 2015**
- Acted as teaching assistant and mentor to three separate freshmen seminars.
- Graded for and acted as tutor for freshmen Computer Science classes.
- Personal tutor to freshmen and sophomore engineering students in the UCCS Honors program.

EDUCATION

Bachelor's Degree   **University of Colorado, Colorado Springs**   **Fall 2011 – May 2015**
- B.S. in Computer Science, May 2015. GPA: 3.85, Graduated with special honors
- Achieved first place in an upper level C++ class' coding competition
- Inducted into the UCCS honors program and Reisher Family Scholarship program.

TECHNICAL PROJECTS

- **Technical Blog** (2016). Wrote a personal technical blog detailing some of my post graduation learning experiences and projects. It can be found at SaintsAndSyntaxErrors.com
- **Web Scraping SMS Application** (2016). Wrote a program that could receive requests through SMS, scrape a bank's website, and return the data as an SMS message. A detailed writeup can be found on my blog.
- **Customer Loyalty Program** (2015-2016). Made a customer loyalty and rewards program for a local business using Java and Amazon's AWS.
- **GPS Navigator** (2015). Built a device to track GPS locations and assist in navigations in a wilderness environment. Wrote a Python program running on a Raspberry Pi Linux device connected to a GPS module.
- **3D Printer** (2015). Built and calibrated a 3D printer. Used it to print protective casing for the GPS project.
- **Project Euler** (2012-Present). Frequently complete challenges from Project Euler (primarily mathematical programming problems) and am in the top 2nd percentile of participants in terms of problems solved.

LANGUAGE AND TECHNOLOGY PROFICIENCIES

- **Languages:** JavaScript, C#, Java, Python, C++, SQL, Apex, HTML5, CSS3, SASS, MATLAB
- **Frameworks and Libraries:** AngularJS, JQuery, ASP.NET, D3.js, Underscore.js, Entity Framework, Bootstrap
- **Other:** Git and GitHub, Axosoft (Bug and Sprint Tracking), Trello, Unit Testing, Microsoft TFS, SQL Server, Azure
- A small demo of some of these skills can be found at www.NicholasWacks.com, which is built on ASP.NET and hosted on a Microsoft Azure Cloud Server.