

# Patrick Waivers

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## TECHNOLOGY SKILLS

- Preferred: **AngularJS**, **JavaScript**, **HTML5**, **CSS3**, **Bootstrap**, **jQuery**, **Grunt**, **NPM**, **Karma**/**Jasmine**, **Lodash**, **Bower**,
- Familiar: **SQL**, **C#/.NET**, **Python**, **Subversion**, **JIRA**
- Interested: **AngularJS 2.0**, **D3**, **Ionic**, **Angular Material**

## WORK EXPERIENCE

### Credit Suisse

Raleigh, NC

Application Developer, FID IT - Securitized Products

July 2014 - present

- Building a mortgage loan processing application in AngularJS, with extensive work into custom-made directives and services
- Develop the RESTful web services front-to-back, writing in JavaScript, C#/.NET and SQL server for each component of the project
- Adapt the traders' requirements into efficient and robust technical solutions, which are both reusable and self-documenting
- Work on a highly agile and lean development team, with two to three productions releases per week
- Apply knowledge about securitized products and mortgage backed securities, in order to provide the most effective solutions to business problems
- Create C# batch jobs that run daily, in to meet the immediate and constantly changing need of the traders

Application Developer, FID IT - Commodity

July 2013 - June 2014

- Supported thirty one market data feeds written in Python, which extracted data from various external sources and loaded into internal systems
- Collaborated with investment traders to set up new customized data curves
- Migrated data feeds to new strategic machines, simplifying support and reducing overall server costs by 35%

Summer Analyst

June 2012 - August 2012

- Designed a RESTful web service to help monitor the health of commodity feeds
- Studied commodities and finance through research projects that were presented to upper management

### University of North Carolina at Chapel Hill

Chapel Hill, NC

Teaching Assistant, Department of Computer Science

August 2012 - December 2013

- Graded exams and homework for 22 students (8+ hours per week) for the "Robotics with LEGOS" course, a freshman seminar class which taught programming skills through exciting robotics projects

Web Developer

May 2010 - May 2011

- Worked with a professor to design and construct Carolina Crossing Challenge, an online learning tool that helps visually impaired children learn how to cross a street and navigate through a city.
- Collected real sound clips from busy intersections in Chapel Hill to achieve immersion in the game.

## EDUCATION

### University of North Carolina at Chapel Hill

Chapel Hill, NC

B.S. Computer Science

May 2013

- 3.8 GPA, Phi Beta Kappa

## ACTIVITIES AND ACCOMPLISHMENTS

- Design and build projects using an Arduino and a Raspberry Pi
- Competed in several hackathons and got first place for a Credit Suisse hackathon
- Participated in ACM coding competition for three years in college
- Completed two half marathons and always training to get better