

JESSICA L. TRACY

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Math enthusiast and former high school teacher with a passion for problem-solving that has quickly turned into a passion for back-end development

SKILLS

Java, JavaFX, Threads, Sockets, JDBC, Hibernate, Spring, JUnit, Test Driven Development, Agile Development (intro), Javascript (intro), AngularJS, CSS (intro), IntelliJ (including debugger), Git, Github

RELEVANT EXPERIENCE

The Iron Yard | Atlanta, GA

Aug 2016 – Oct 2016

Back-end Engineering Student

The Iron Yard is a 12-week coding bootcamp specializing in highly focused, immersive training centered on language fluency, object-oriented programming, and project-based learning.

- Teacher's Pet – A gradebook web app for the classroom that saves teachers time by offering built in curving algorithms and email functionality at the click of a button
 - A classmate and I built the back-end of the app using Java and Spring. The front end was especially challenging for us as back-end developers; we learned HTML, CSS, and AngularJS, and we implemented beautiful charts using the Chart.js API.

Website: teachers-pet.herokuapp.com

Code: github.com/Mac-Daddies/teachers-pet

- Bank System – A command line application that allows a user to enter information about his/her bank accounts and then perform transactions on those accounts
 - This project makes use of background threads to calculate interest on savings and retirement accounts, writes data to file to store account information, and showcases principles of inheritance and polymorphism in working with different types of bank accounts.

Code: github.com/jesstracy/BankSystem

Rockmart High School | Rockmart, GA

Dec 2014 – Jan 2016

Mathematics Teacher

- Taught 10th grade courses in Analytic Geometry and Accelerated Algebra II focusing on student-led problem-solving and discussion
- Organized and created community service and student life events as sponsor of the student council; responsible for organizing student elections, the homecoming dance, and teacher appreciation initiatives

The Iron Yard | Atlanta, GA

Aug 2016 – Oct 2016

Volunteer Kids Class Teacher

- Taught a four-week Scratch coding course for beginner students ages 8-12; coordinated and managed the classroom with a teaching partner

Independent

Math Tutor

Aug 2011 – Nov 2014

- Tutored students of various levels one-on-one and in group settings in middle and high school courses in Trigonometry, Algebra, Geometry, and other maths

EDUCATION

The University of Georgia | Athens, GA

Aug 2011 – Dec 2014

B.S. in Mathematics, GPA 4.0

B.S.Ed. in Secondary Mathematics Education, GPA 4.0

Relevant courses: CSCI 1101 – Introduction to Computer Science