

Jack Ricci

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Research and Work Experience

Software Engineer / Financial Engines, LLC.

July 2018 – Present

- ❖ Java developer on Financial Engines' core 401k advisory platform, specializing in diagnosing and identifying solutions to issues reported by clients and handling development for client customizations

Software Engineer Intern / Financial Engines, LLC.

June 2017 – August 2017

- ❖ Enhanced a major company application to allow SQL-structured data to be efficiently converted to NoSQL format for storage in DynamoDB and built an AWS lambda function to handle API requests for the resulting data set
- ❖ Used SQL knowledge to modify and provide support for the BI-Publisher template, BI-Publisher data model, and database tables that generate a critical business report

Software Engineering Intern / International Game Technology PLC

May 2016 – August 2016

- ❖ Performed full-stack development to upgrade IGT's emergency on-call database and website to a modern, lightweight, user-friendly web application
- ❖ Developed and maintained project source code, designed both the RESTful API and UI, and presented progress and results to technology managers and directors to ensure smooth transition to using new application

Project Manager / Exiger LLC

October 2016 – April 2017

- ❖ Oversaw Exiger's Project Optimus, a software system overhaul affecting the company's HR and Finance divisions, as well as their end users and clients
- ❖ Maintained project plan timeline, updated tasks to be completed, scheduled and led meetings related to project progress

Publications

- ❖ Stephen Mecca, Megan Skrypek, ..., **Jack Ricci**, ... et al. The S-Lab's *Lab in a Box*: A Potential Game Changer for Rural Schools in the Developing World. *American Journal of Educational Research*. Vol. 3, No. 11, 2015.

Physics Department Tutor / Providence College

September 2015 – May 2016

- ❖ Utilized strong communication skills and understanding of physics concepts to tutor fellow undergraduate students in topics including mechanics, electricity and magnetism, and modern physics

Skills & Abilities

- ❖ **Programming – Fluent:** Go, C, Java, AngularJS, NodeJS, NoSQL (MongoDB, DynamoDB), Transact-SQL, Git
- ❖ **Programming – Proficient:** OCaml, UNIX, ExpressJS, HTML5, Bootstrap, Amazon Web Services (Lambda, S3, API Gateway)

Education

Columbia University School of Engineering & Applied Science / Bachelors of Science *September 2016 - May 2018*

- ❖ **Major:** Computer Engineering | **GPA:** 3.7/4.0
- ❖ **Relevant Coursework:** Distributed Systems, Data Structures in Java, Operating Systems, Advanced Programming, CS Theory, Advanced Database Systems, Cryptography, Programming Languages & Translators, Computer Networks, Probability for Engineers

Providence College / Bachelors of Science

September 2013 - May 2016

- ❖ **Major:** Pre-Engineering | **GPA:** 3.98/4.0
- ❖ **Honors:** 1st of 957 students in Providence College Class of 2017, Member of Providence College Liberal Arts Honors Program

Projects

- ❖ *elevator (in progress)* | <https://github.com/justjack555/elevator> | *Go*
 - Designing a smarter elevator system as a set of distributed services communicating via RPC protocol.
- ❖ *heatMap* | <https://github.com/justjack555/heatMap> | *Go*
 - A Go application performing sentiment analysis on tweets about a provided search term.
- ❖ *cpLottery* | <https://github.com/justjack555/cpLottery> | *Go*