Richard (Rong Xin) Du

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Student passionate about machine learning, entrepreneurship, and web development.

EDUCATION & COURSEWORK	**PRINCETON UNIVERSITY**: 2015 – 2019 (expected) GPA: 3.68

Majoring in either computer science or math

Coursework includes COS402 Machine Learning and AI, COS429 Computer Vision, MAT385 Probability Theory

EXPERIENCE

WEB DEVELOPER: Classroom Salon (June 2016 – Present)

Classroom Salon is an education platform built by Princeton and CMU. I created the mobile viewer.

- Includes features such as video annotations, transcript navigation and highlighting, etc.
- Currently implementing automated transcript and video clip generation, as well as automated transcript summarization
- Videos hosted on YouTube and retrieved using YouTube Player API.
- Written in ASP.NET, JSRender for front end (currently rewriting in AngularJS)
- Mobile viewer is now replacing the main website for several schools in the US, and is being adopted in several Princeton CS courses in Spring 2017 semester

PROJECTS

STUDBUDS: Co-founder (June 2015 – September 2015)

StudBuds is a web application that connects students with tutors. It provides a platform for tutors to market themselves and manage their students.

- Designed highly-scalable tutor and student database using Rails
- Implemented initial messaging system using AJAX polling
- Created notification system by integrating Mailboxer, a Rails gem

CHATSTATS: Developer (September 2014 – February 2015)

ChatStats is an Android application giving users statistics about their text message conversations, such as average response time, average message length, etc.

- Implemented UI/UX for ease of use, integrated charting library
- Used content providers to retrieve and analyze SMS data
- Written in Java (Android Studio)

HONORS

INTERNATIONAL MATHEMATICS OLYMPIAD TEAM CANADA: 2014

Official team member (alternate), attended summer training camp in Banff.

USAMO: 2014 – 2015

33rd place in grade 12, 54th place in grade 11.

SKILLS

LANGUAGES: Java, Ruby, JavaScript, HTML/CSS, MATLAB, R, SQL

FRAMEWORKS: Rails, AngularJS, Android Studio