David Yan

Computer Science Major
Duke University

david.yan@duke.edu
http://www.davidwyan.com

Education

Duke University — Durham, NC
B.S. in Computer Science, Expected 2018 — 2014 - Present

Work Experience

Software Engineering Intern — **Trading Technologies**
Chicago, IL — May 2016 - Aug. 2016

- Developed new Javascript based features to enable efficient web trading on the TT Web trading platform and worked alongside full time engineers to resolve client-reported bugs within the TT web platform
- Created Slack integration service using Amazon Web Services SDK for NodeJS to instantly display live company analytics within a Slack channel
- Worked within Agile Scrum system and JIRA application to maintain workflow

Primary Researcher — **Duke University Mobile Medicine Project**
Duke University — Jan. 2016 - May 2016

- Developed an iOS app in Swift to collect over 3 million minute by minute movement data points for Fitbit users
- Created scripts in Python to parse user movement data and export results in CSV format for rendering in Matlab

Codestory Co-Founder — **Codestory**
Durham, NC — Mar. 2016 - Present

- Worked as a primary frontend developer on a web based 3D environment that gives users a visual representation of code execution
- Developed client side rendering of 3D models using BabylonJS

Coursera Teaching Assistant — **Duke University**
Duke University — Sept. 2015 - Dec. 2015

- One of 4 TAs selected for a Google-sponsored course with over 2000 enrolled students
- Answered questions and helped troubleshoot student programming errors in HTML, CSS, Java, and Python

Undergraduate Teaching Assistant — **Duke Computer Science 101 Course**
Duke University — Jan. 2015 - Dec. 2015

- Led and taught a weekly lab programming section to roughly 30 students
- Held weekly consulting hours where I assisted students with issues in their code

Technical Skills

Programming Languages

- Proficient in Java, Python, HTML, CSS, Javascript, NodeJS
- Experience with Angular, Amazon Web Services, R, SQL, Swift, Matlab

Relevant Coursework

- Computer Science 190S: Adaptive Web Development for the Modern Internet
- Computer Science 201: Data Structures and Algorithms
- Computer Science 308: Software Design and Implementation