Jeffrey Zhang

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SUMMARY

I am an aspiring software engineer looking for an internship. I have experience with Agile software development, backend development with Java and unit testing.
I enjoy being on a team and have worked on many interesting projects with classmates.

SKILLS

Languages: Java, Python, SQL, JavaScript, Swift
Softwares: Eclipse, IntelliJ, XCode, Microsoft Excel, Postman

EXPERIENCE

Software Developer Intern   May – August 2016
SAP

- Designed, implemented, and tested a generic REST framework to support many partner integrations using Java and SQL
- Researched partner's APIs and wrote tool to sync device data by using a mapping between identifiers
- Updated infrastructure to accommodate processing of a large volume of devices
- Taught and guided new employees by explaining project idea and feature implementation

Accounting Intern   June – August 2015
Fluidigm Corporation

- Analyzed deferred revenue for the quarter using Microsoft Excel
- Utilized option analysis to estimate entities' revenues per state when using incomplete data
- Prepared order reports and compiled sales data for auditing purposes

PROJECTS

Flick-It

- Coded an iOS game that involves flicking shapes into the correct bin in XCode
- Worked on shape/bin collisions, shape spawning, and pause feature
- Designed and coded the game-over screen with restart feature
- Encountered challenges with creating an intuitive, easy-to-learn user interface

Writing2Learn

- Wrote application that records handwriting, recognizes the characters, and voices the letters
- Programmed colored grids to visualize training set using Javascript, CSS, HTML
- Analyzed large data sets to determine important trends in training set using Python
- Faced challenges with data classification when writing algorithms to compare data with training set

CheatBeat

- Created a web application (cheatbeat.herokuapp.com) that allows educators to grade tests
- Designed a detection algorithm that determines the likelihood of cheating among pairs of students
- Implemented secure backend system including user authentication using MongoDB and Node.js
- Created clean and simple solution typing user interface using JQuery

EDUCATION

University of California, Berkeley   Expected May 2018
B.S. in Electrical Engineering and Computer Science

- GPA: 4.0
- Coursework: CS 70 (Discrete Math and Probability Theory), EE 16A/B (Designing Information Devices and Systems), CS 61B (Data Structures), Math 54 (Linear Algebra), CS 61A (Structure and Interpretation of Computer Programs)