Jeffrey Sham

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Objective | To obtain a challenging application based software development position that will utilize my Algorithms and Data Structures experience to make lasting contributions to the overall success of the organization

Education | **Johns Hopkins University**, 3400 North Charles Street, Baltimore, MD 21218
- Bachelor of Science: Computer Engineering, Computer Science, Expected: May 2017
- GPA: 3.71/4.00, Dean's List
- Relevant School Courses: Algorithms I, Databases, Signals & Systems, Computer Systems Fundamentals, Computer Networks, Parallel Programming, Security & Privacy, Automata & Computation Theory, Data Structures, Introduction to VLSI, Circuits, Calculus, China STEM Study Abroad

Experience | **iOS Developer** Corrie Health

2016 – Present
- Contribute to the medical iOS application Corrie, a platform that helps heart attack patients track their medications, vitals, and medical history
- Utilize HealthKit, CareKit, and ResearchKit with Swift to track and present users with important medical information
- Collaborate with a team consisting of medical and cardiology physicians, Apple engineers, and Johns Hopkins students to build, test, and maintain this high quality iOS application

Software Developer IT @ Johns Hopkins University

2015 - Present
- Work with the Salesforce platform for web application FacultyForce, a social network to connect Johns Hopkins Faculty together to tackle global issues
- Utilize SQL server to create data models and modify FacultyForce data models
- Created Apex Unit Tests to find bugs and improve quality of the code base
- Tackle tasks using Scrum agile development method

Software Engineering Intern Yext Inc.

2016
- Contributed to the Yext's digital location management platform, which enables businesses to maintain up-to-date location information across 100+ search engines and online location services
- Improve the efficiency of marketing and location scanning webpages using the Play framework
- Collaborated with teammates in sprints to plan and tackle tasks and reduce system problems
- Incorporated event tracking and updated UI in Yext's Location Scan applications (Android, iOS)
- Utilized Java to create 10+ endpoints to connect Yext software to the web, Clover, Salesforce, and Maropost

Lead Developer and Cofounder Flutter Inc.

2014 - 2016
- Launched the location-based picture sharing iOS application, Flutter for iPhone
- Integrated various techniques to store and analyze data using Parse
- Implemented smooth transitions and animations within and between pages
- Collaborated with designer to form the color scheme and the user interface
- Programmed the overall functionality

Computer Science Teaching Assistant Johns Hopkins University

2015
- Hold office hours to help students with their questions and Java and Data Structures concepts
- Grade homework and instruct Java labs

Data Archival Specialist HaystaqDNA (Contractor)

June 2015
- Managed over five outdated hard drives and uploaded their contents to Amazon Glacier
- Learned how to use SQL in order to create models for clients

Associate Mobile Engineer Mindgrub Technologies

2013 - 2014
- Familiarized myself with database frameworks such as Parse and viaPlace
- Learned how to effectively work in a team environment
- Produced an Android tour application for viaPlace and an iOS Ping Pong Tournament Application

Projects | HopHacks, Johns Hopkins University
- Spring 2016: Top 10 Finalist for our Android application HealthMate, which connects doctors and patients together to promote self-efficacy and treatment plan adherence of patients

- Fall 2015: Awarded Most Innovative Hack award, Best use of Pebble award, and Honorable Mention for use of Open Data for our Android and Pebble application SafeRock, which uses Google Maps and Baltimore's Open Data on crime to improve the user's safety
- Spring 2015: Developed a website that integrates Google Maps Street View with the Myo and Oculus Rift technology
- Fall 2014: Awarded first place for our Voronoi Cast, which utilized 3D printing and 3D modeling to create a cast for a photographed body part

IEEE Arduino Competition, Johns Hopkins University
- 2015: 1st place: Laser Guitar – Constructed a guitar out of acrylic that uses lasers as strings and buttons as frets with three fellow sophomores
- 2014: 2nd place: Breathalyzer – Designed a breathalyzer to exhibit users' alcohol levels using LED lights, an LCD monitor, and a speaker with three fellow freshmen

TRNQL Hackathon
- Winter 2015: Awarded third place for my Android application HatChat, which uses the trnql SDK to create a way to connect and chat with nearby users

Motion-Powered Phone Charging Case, Electronics Design Lab
- Designed and created a phone charging case that utilized electromagnetic induction with two fellow juniors

Movie Awards Project, Databases Final Project
- Collaborated with another Computer Science junior to create an awards database and interface using MySQL, HTML, and PHP

Sofiac
- 2015: Participate in Sofiac's Immersion Working Group in creating a Comm-tronics Healthcare Web application

Clock Project, Introduction to VLSI Final Project
- Designed and fabricated a clock circuit using digital logic gates

Artificial Pancreas, ECE Team Project
- Led the Android application team to design an Android application to control an insulin pump that delivers a specified amount of insulin at a specified interval

Holly Inn
- 2013 – 2015: Maintained the inn's website on a monthly basis for their new events

Skills & Abilities | Platforms: Android, iOS, Salesforce, Play Framework
Languages: Java, Objective C, SQL, Swift, x86 Assembly, C/C++, MATLAB, Python, Apex, HTML, PHP, CSS, Javascript
Computer Skills: Unix/Linux, Microsoft Office, Abaqus
English – Native, Mandarin Chinese - Conversational, Spanish – Basic

Leadership | Johns Hopkins Breakdancing Club, Vice President [2014 – Present]
- Organize practices and breakdance performances
- Maintain all forms of internal communication

Honor Society | IEEE Eta Kappa Nu [2016 – Present]
- Electrical and Computer Engineering Honor Society