

# 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: 3.70/4.00, Dean's List
- Relevant School Courses: Algorithms I, Databases, Signals & Systems, Computer Systems Fundamentals, Data Structures, Automata & Computation Theory, Introduction to VLSI, Circuits, Calculus, China STEM Study Abroad

**Experience | Lead Developer and Cofounder** Flutter Inc.  
2014 - Present

- 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

**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
- Mapped data models from an AcademicAnalytics database to the FacultyForce data models
- Utilize SQL server to identify and fix problems in FacultyForce data models

**Computer Science Teaching Assistant** Johns Hopkins University

2015 - Present

- 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- Managed over five outdated hard drives and uploaded their contents to Amazon Glacier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
- Improved my knowledge in Android and iOS applications
- 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

- 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: 1<sup>st</sup> place: Laser Guitar – Constructed a guitar out of acrylic that uses lasers as strings and buttons as frets with three fellow sophomores
- 2014: 2<sup>nd</sup> 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

**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

- Spring 2015: Designed and fabricated a clock circuit using digital logic gates

Artificial Pancreas, Johns Hopkins University 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 and Languages: Android, iOS, Java, Objective C, SQL, x86 Assembly, C/C++, Salesforce, Matlab, HTML, PHP, CSS

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