

# Puneet Sachdeva

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## Education

2016-2020 **B.S. IN COMPUTER SCIENCE** *Washington University in St. Louis*  
School of Engineering and Applied Science

## Projects

April 2017 - **MATH PRACTICE SITE** *PHP Laravel*  
May 2017 Developed a site to allow users to practice math questions of various difficulties, and earn points for answering questions correctly.

March 2017 **AJAX CALENDAR** *JavaScript, PHP, jQuery, MySQL*  
Developed an asynchronous, dynamic calendar to allow users to schedule, edit, delete, and share events.

## Work Experience

May 2017 - **ANDROID COURSE DEVELOPER** *Washington University in St. Louis CS Department*  
Present Worked with Professor Doug Shook on creating an Android App Development Course to be offered to students. Created examples and assignments to teach different Android Development concepts, and developed prototypes for each of these assignments.

Dec 2016 - **STUDENT TECHNICIAN** *Student Technology Services*  
Present Provide technical support to Washington University students and staff. Troubleshoot computer malware, hard drive failure, data recovery, and other general technical issues.

June 2016 - **SOFTWARE ENGINEERING INTERN** *CompGeom Inc.*  
Aug 2016 CompGeom develops Intelligent Robots for the U.S. Air Force  
Integrated a new design for a motor controller to put in robots capable of geographic data collection.  
Implemented, in Python, a program that plots data collected from a high precision GPS in order to track the exploration of the robots.

June 2015 - **RESEARCH ASSISTANT** *Florida State University Computer Science Department*  
May 2016 Performed research in searching and ranking algorithms and implemented these algorithms in a Semantic Python Search Engine (SPYSE).  
Coauthored a published paper to the International Conference on Software Engineering 2016.

## Teaching

June 2017 - **INTRODUCTION TO PROGRAMMING WITH PYTHON** *Art of Problem Solving*  
Present Assist with weekly courses that teach Python and programming concepts to students across the country. Evaluate and score assignments for students enrolled in both Introduction and Intermediate Python Programming classes.

Aug 2016 - **INTRODUCTION TO COMPUTER SCIENCE** *Washington University in St. Louis*  
Present Instruct students through material and guide them on assignments as they progress through the curriculum, and evaluate these projects for credit.

## Software Skills

**SKILLED:** JavaScript, jQuery, Python, Java, HTML/CSS, PHP, PHP Laravel, MySQL,  $\text{\LaTeX}$

**WORKING KNOWLEDGE:** Node.js, ReactJS, ExpressJS, Android Studio, NI LabVIEW, Socket.IO

**OPERATING SYSTEMS/DEPLOYMENT:** Windows, OSX, Linux/Unix, LAMP (Apache), AWS (EC2)