

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 - May 2017 **MATH PRACTICE SITE** *PHP Laravel*
Developed a site to allow users to practice math questions of various difficulties, and earn points for answering questions correctly.
Implemented site using PHP Laravel, used MySQL to interact with the database, and deployed to AWS through EC2.

March 2017 **AJAX CALENDAR** *JavaScript, PHP, jQuery, MySQL*
Developed a dynamic calendar to allow users to schedule, edit, delete, and share events.
Implemented Apache to route URLs, developed front end in HTML/CSS, JavaScript, and jQuery.
Wrote logic for handling back end in PHP, used MySQL to interact with the database, and deployed to AWS through EC2.

Work Experience

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

June 2016 - Aug 2016 **SOFTWARE ENGINEERING INTERN** *CompGeom Inc.*
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 - May 2016 **RESEARCH ASSISTANT** *Florida State University Computer Science Department*
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

Aug 2016 - Present **INTRODUCTION TO COMPUTER SCIENCE**
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, \LaTeX

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

OPERATING SYSTEMS: Windows, OSX, Linux/Unix