Puneet Sachdeva

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Education

| 2016-2020 | **B.S. IN COMPUTER SCIENCE** *Washington University in St. Louis* |

Selected Projects

July 2017 - August 2017 — **POKEMON BATTLE SIMULATOR** *Java, Android Studio, SQLite, PokeAPI*
Built a Pokemon battle simulator where users can collect random Pokemon and perform battles. All Pokemon data, including statistics and moves, is taken from the PokeAPI.

July 2017 - August 2017 — **STS TRAINING APP** *ReactJS, Node.js/ExpressJS, PostgreSQL*
Created a web training application that assesses the skills of different technicians at Student Technology Services. The administrative staff at STS can track the progress of all of the students.

April 2017 - May 2017 — **MATH PRACTICE SITE** *PHP Laravel*
Constructed 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 - Present — **ANDROID COURSE DEVELOPER** *Washington University in St. Louis CS Department*
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 - 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.- 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/ranking algorithms and implemented them in a Semantic Python Search Engine. Coauthored a published paper to the International Conference on Software Engineering 2016.

Teaching

Aug 2016 - Present — **WASHINGTON UNIVERSITY IN ST. LOUIS**
Instruct students in material related to Introduction to Computer Science, Data Structures and Algorithms, and a seminar on Technical Interview preparation.

June 2017 - August 2017 — **INTRODUCTION TO PROGRAMMING WITH PYTHON** *Art of Problem Solving*
Assist with weekly courses and evaluate assignments for students enrolled in both Introduction and Intermediate Python Programming classes across the country.

Software Skills

PROGRAMMING LANGUAGES: JavaScript, PHP, Java, Python, Swift (iOS), NI LabVIEW
DATABASES: MySQL, MongoDB, PostgreSQL, SQLite
WEB DEVELOPMENT: HTML, CSS, ReactJS, ExpressJS, Socket.IO, PHP Laravel, jQuery
OPERATING SYSTEMS/DEPLOYMENT: Node.js, Linux/Unix, LAMP (Apache), AWS (EC2), Heroku, Android Studio