Abhishek Zaveri - *Software Engineering*

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WORK EXPERIENCE

UC Davis Information and Education Technology
March 2016 – August 2016 (Davis, CA)
Application Developer

o Participated in two-week Agile Scrum sprint process developing both back/front-end features for ServiceNow IT service management tool
o Utilized Javascript-based ServiceNow proprietary language to produce over 15 new client scripts, UI Action scripts, and server-side scripts
o Created new request management features that automate processes such as employee onboarding, account validation, and software requests within IT department
o Collaborated with QA leads to perform testing on new features for every release, using JIRA's ticketing software to document
o Wrote documentation notes for features developed each sprint
o Trained in ITSM design practices and principles

UC Davis School of Medicine
July 2015 – March 2016 (Davis, CA)
IT Technician

o Setup large scale computer systems for staff members and medical doctors conducting research
o Performed advanced diagnosis of system failures using Active Directory, Credant DDP, Virtual Machine
o Provided end user assistance to medical students and researchers

UC Davis Graduate Studies
January 2015 – June 2015 (Davis, CA)
Web Assistant

o Managed web content and assisted in on-going front-end development of site with the Drupal framework
o Worked side by side with marketing manager to validate web pages in HTML/CSS

PROJECTS

University Registrar Database – December 2016
Python & SQL

o Designed and built a database which provides all student, course, and instructor related data when queried
o Parsed over 90 CSV files containing twenty years of university data into proper SQL format using Python scripts and loaded into PostgreSQL database with Python psycopg2 library
o Wrote extensive SQL queries within Python scripts to provide results such as most difficult courses, students with highest GPAs, and best performing majors

Spam Classification (Machine Learning) – February 2017
MATLAB

o Implemented a Support Vector Machine with a Gaussian kernel to classify large datasets of user emails as spam or non-spam
o Preprocessed emails using MATLAB methods to normalize URLs, email addresses, etc. and convert words to into vocabulary list to discern spam features
o Trained SVM with preprocessed datasets and determines both a training and test accuracy of algorithm

Fixit (iOS) – January 2017
Swift

o Developed an iOS application that allows users to select any image from Tumblr/Flickr or their library and use a variety of filters to process the image
o Permits user to compare images to one another, adjust intensity of filters, and customize their own image processing filter

Video Search (Computer Vision) – May 2015
MATLAB

o Implemented a video search algorithm allows users to select features from a single image and retrieves all images containing these queried regions
o Wrote MATLAB methods to build a 'visual vocabulary' that finds the most similar frames in a ranking order

TECHNICAL SKILLS

o **Languages** – C++, C, Python, MATLAB, SQL, Swift
o **Tools** – JIRA, ServiceNow, XCode, PostgreSQL, Unix/Linux

EDUCATION

o **B.S. Computer Science, University of California, Davis,** Graduation Date: December 2016

CERTIFICATIONS

o **Machine Learning** – Stanford University, February 2017
o **iOS App Development Basics/App Design and Development for iOS** – University of Toronto, January 2017