DENIS VASHCHENKO

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LANGUAGES

C++ - *Intermediate*
C - *Intermediate*
Python - *Intermediate*
HTML/CSS - *Intermediate*
Flask - *Basic*
JavaScript - *Basic*
Swift - *Basic*
R - *Basic*
MIPS Assembly - *Basic*

PROGRAMS

Jupyter
TensorFlow
Drupal
Android Studio
Firebase

AWARDS

Mobile App Challenge
Semi-Finalist *(2018)*
Dean's Honors List (*2017*)
Volunteer Appreciation
Award (*2018*)
President's Volunteer
Service Award *(2016*)

COURSES

Data Structures
Computer Organization
O-O Programming
Probability & Statistics
Discrete Mathematics
Linear Algebra
Vector Calculus

LANGUAGES

English
Russian
Spanish

EXPERIENCE

School of Engineering @ UCM
Sep 2018 - Present
Undergraduate Student Researcher — *Merced, CA*
• Working alongside Professor Angelo Kyrilov to redesign the Compass web application.
• Striving to create a student experience that will supplement learning during lecture.

Apple
May 2018 - Oct 2018
At Home Advisor — *Merced, CA*
• Fully trained in iOS, watchOS, Account Security and other Apple products.
• Effectively assisted customers and employees with problem isolation and resolution.
• Maintained a CSAT score of 100% for two consecutive months.
• Extensive use and proficiency with several diagnostic tools for troubleshooting.

Society of Physiologists @ UCM
Nov 2017 - Jan 2018
Lead Web Developer — *Merced, CA*
• Responsible for front-end development using the Drupal CMS.
• In charge of formatting data and appearance using the Superfish library.
• Establishing an online hub for the California Society of Physiologists at Merced.
• Maintaining and updating necessary information at the request of Professor Ortiz.

PROJECTS

Q Project
• Implementing Deep Learning networks using the Keras API over TensorFlow.
• Modeling a CNN for Image Recognition achieving 97% accuracy on CIFAR100.
• Developing an Image Stitching application used to fill gaps in drone imaging maps.

Future First (*Mobile App Challenge Semifinalist 2018*)
• A mentoring mobile app focused on the importance of transition into adulthood.
• Implementing Firebase messaging used for mentor-mentee communication.
• Presented product in front of CITRIS sponsors and representatives.

Flask Controller
• Developing a Web Application using Flask, JavaScript, and the Jinja2 template engine.
• Educational intro-to-programming visualization tool with real-time haptic feedback.

FitX
• Building a Swift native iOS app for fitness enthusiasts.
• Features a QR scanner for nutritional data, BMR calculator, and physique visualizer.

EDUCATION

University of California, Merced
Aug 2016 - May 2020
B.S. Computer Science & Engineering — *Major GPA: 3.46*
• Student Note Taker for Computer Organization (CSE 31).
• Member of the Association for Computer Machinery.