

Mark Walker

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Education

University of California, Los Angeles October 2014- June 2018 (*expected*)

Electrical Engineering Cumulative GPA: 3.5

Coursework includes: Digital Signal Processing, Speech and Image Processing Systems Design, Analog Circuit Theory, Logic Design of Digital Systems, Data Structures and Algorithms, Computer Organization, Engineering Management and Finance

Valencia High School, Placentia, California Diploma: June 2014

COSMOS: California State Summer School in Mathematics and Science Summer 2012

Experience

Ozcan Research Group at UCLA October 2016 – present

Undergraduate Research Assistant

- Improved an image processing stack using MATLAB and imageJ to speed up data acquisition in experiment

Skills

MATLAB, LabVIEW, C++, Python, Linux, Java, Verilog, Git, Microsoft Office, Visual Studio

Projects

Audio Balancer – Used LabVIEW with a NI myDAQ to process input audio and allow users in real time to change the magnitude of differing parts of the frequency spectrum

BoulderBlast – Implemented game logic for a graphical game using C++ and object oriented design principles

Baseball Simulator: C# program that uses statistical techniques to simulate and help predict the outcome of baseball games

Sentence Generator: Python program utilizing Markov chains to generate original sentences based on a corpus of text

Extra-Curricular Activities

Eta Kappa Nu (HKN) June 2015 – present

Electrical and Computer Engineering Honor Society

UCLA MentorSEAS September 2016 – present

Acting as an upperclassman mentor to incoming first year electrical engineering students

UCLA IEEE September 2015 – present

United States Naval Sea Cadet Corps. January 2011-March 2014