MATTHEW LEE

COMPUTER SCIENCE UNDERGRADUATE, 2019.
matthewjunelee.com
(206)-962-9973

EXPERIENCE

JHU ELECTRICAL ENGINEERING DEPT.

Baltimore, MD
Summer 2016

UNDERGRADUATE RESEARCH ASSISTANT

Conducted research using signal processing to analyze heart sounds so that doctors can more accurately conduct heart auscultation.

Researched current heart sound segmentation and analysis techniques that used wavelet decomposition and wavelet transform.

Collaborated with JHU Dept. of Mechanical Engineering, Johns Hopkins School of Medicine Dept.of Pediatrics.

JHU COMPUTER SCIENCE DEPT.

Baltimore, MD
2016 - present

INTRO JAVA PROGRAMMING (600.107) T.A.

Responsible for grading assignments, leading labs, holding office hours and review sessions.

STUDENTS CONSULTING FOR NONPROFIT ORGANIZATIONS

Baltimore, MD
2015 - present

CONSULTANT

Provides consulting pro bono to nonprofit organizations including Meals on Wheels. Specializes in website and multimedia development, client information storage, and fundraising strategies.

PROJECTS

SPEECH BANANA
Baltimore, MD
2016 - present

MOBILE DEVELOPER

Training application for people learning to hear with a cochlear implant or digital aid. Currently works on and learning iOS maintenance and Android development. http://speechbanana.jhu.edu

URBAN HELP PROJECT

Philadelphia, PA
Fall 2016

WEB BACKEND DEVELOPER

The concept of UHP is for users to collect and input information about local residents afflicted by homelessness near the JHU campus in an effort to deliver the data to local nonprofit organizations. Learned MongoDB and Node.js at PennApps XIV to create Urban Help Project.
http://devpost.com/software/urbanhelpproject

EDUCATION

JOHNS HOPKINS UNIVERSITY

Baltimore, MD
2015 – 2019

COMPUTER SCIENCE, COMPUTER ENGINEERING (B.S.)

Relevant Coursework: Intro to Java, Intermediate Programming (C/C++), Data Structures, User Interfaces and Mobile Applications, Automation and Computation Theory, Discrete Mathematics, Differential Equations, Linear Algebra, Digital Systems Fundamentals, Circuits.

Proficient: Java, C, C++, Javascript.   Familiar: iOS, Android.

 GPA: 3.3

LAKESIDE SCHOOL

Seattle, WA
2011-2015

School in Seattle, Washington. Varsity lacrosse, Student Government.