

Matthew Giallourakis

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Education

Florida Polytechnic University

Master's Degree
Engineering Robotics

Lakeland, FL

2018–

Florida Polytechnic University

Bachelor's Degree, GPA: 3.92: Summa Cum Laude
Mechanical and Industrial Engineering: Nanotechnology

Lakeland, FL

2014–2018

Research Experience

Student Research

Auditorium Improvement Project

Project Manager

Assessed student suggestions of improvements to Florida Polytechnic's auditorium and constructed a functional folding desk prototype under the direction of Dr. Jim Mennie

Florida Polytechnic University

2017

Rigaku SmartLab SAXS Configuration Project

Research Assistant

Configured a Rigaku SmartLab for Small-Angle X-Ray Scattering experiments under the direction of Dr. Richard Matyi

Florida Polytechnic University

2017

Visual Arts Project for the Blind

Project Manager, Lead Software Developer

Directed and programmed an auditory haptic feedback system to convey color and value information for the blind under the direction of Dr. Christopher Coughlin

Florida Polytechnic University

2016

Independent Research

Repetitive Strain Injury Mitigation Project

Research and Development

Created a method of mapping computer macros onto a piano keyboard for those unable to use standard keyboard shortcuts due to repetition injury

Independent

2015-2017

Work Experience

Employment

Ambling/RISE Real Estate

Community Assistant

Assistant in Leasing, Sales, Event Planning, and Conflict Resolution

Lakeland, FL

May 2015–May 2016

Palm Harbor Library

Inventory Management

Supervised and Analyzed use of Library Amenities

Palm Harbor, FL

2012–2014

Skills

General

Microsoft Office: Word, PowerPoint, Excel, Project

CAD: SolidWorks, SketchUp

Programming: Python, C++, Latex, Scheme

Other: Graphic Design, Internet of Things

Specialties

Systems Analysis, Functional and Artistic Design, Human-Computer Interfaces

Awards

Annual MLH Hackathon

Third Place

University of South Florida

2019

Physics Laboratory Presentation Competition

First Place

Florida Polytechnic University

2016

Accusoft's First Annual Developer Deathmatch

First Place

Florida Polytechnic University

2015

References Available upon Request