

Jack Kolb

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B.S. Honors Mechanical Engineering, UC Riverside

Emphasis in Robotics, 3.91 GPA

- 2016 - 2020

Python C# C++ MatLab Heroku Git Solidworks Unity3D Raspberry Pi

Certified Solidworks Associate, Mechanical Design

- 2017

Work Experience

UCR Robosub, Mechanical Lead

Competitive autonomous submarine team

- 2017-2018

Solo Projects

Artificial General Intelligence Research

Research on sentient intelligence

- Python, Numpy/Scipy, OpenCV

"WiCon" -- KISS WiFi Manager

A GUI-based WiFi manager for Linux

- Python, GTK3

Algorithmic Stock/Cryptocurrency Trader

Self-managing, profitable daytrader

- Python, Interactive Brokers

"Mademoiselle Le'Bot" -- LINE Chatbot

A LINE chatbot with lots of features

- Python, LINE, Google Drive APIs, Heroku

"GoodMorning" -- Intradaily Information Display

An dynamic display of daily information

- Python, Tkinter, Web-Based APIs

"Littlebox" -- File server/client from scratch

A remote-accessible file server

- C++, Boost

"FoodText" -- Dining Information via SMS

Delivers the day's menus via text message

- Python, Google Drive APIs, Raspberry Pi

"Space Infinitum" -- 3D Game/Simulation

Procedurally generated universe

- C#, Unity3D

Hackathon Projects

Citrus Hack (Fall 2016)

A voice-controlled circuit board

- Python, Wit.ai, Raspberry Pi

Cutie Hack (Spring 2017)

A robot that tracks cups in "Three Cup Shuffle"

- Python, OpenCV, Raspberry Pi

Enginuity Hackathon (Spring 2017)

An end-to-end encrypted file transfer program

- C++, Windows Socket Libraries

Cutie Hack (Fall 2017)

Creates recipes using discounted grocery items

- HTML, JavaScript, Web APIs

Organization Affiliations

American Society of Mechanical Engineers

- 2016 - 2018 :: Member

Institute of Electrical and Electronic Engineers

- 2016 - 2018 :: Member

Association of Computing Machinery

- 2017 - 2018 :: Member

Cross-Campus Entrepreneurs

- 2016 - 2018 :: Member

National Residence Hall Honorary

- 2016 - 2018 :: Member

Tau Beta Pi Honor Society