Jack Kolb

jackkolb.com   jack@jackkolb.com   github.com/jackkolb

Seeking an internship in robotics, software engineering, or mechanical engineering/CAD

B.S. Honors Mechanical Engineering, UC Riverside   -   2016 - 2020
    Emphasis in Robotics, 3.91 GPA

Python   C#   C++   Git   Heroku   MatLab   Solidworks   Unity3D   RaspberryPi

Certified Solidworks Associate, Mechanical Design   -   2017

Work Experience

UCR Robosub, Mechanical Lead   -   2017-2018
    Competitive autonomous submarine team

Solo Projects

Artificial General Intelligence Research   -   Python, Numpy/Scipy, OpenCV
    Research on sentient intelligence

"WiCon" -- KISS WiFi Manager   -   Python, GTK3
    A simple GUI WiFi manager for Linux

Algorithmic Stock/Cryptocurrency Trader   -   Python, Interactive Brokers
    Self-managing, profitable daytrader

"Mademoiselle Le'Bot" -- LINE Chatbot   -   Python, LINE, Google Drive APIs, Heroku
    A LINE chatbot with lots of features

"GoodMorning" -- Intradaily Information Display   -   Python, Tkinter, Web-Based APIs
    An dynamic display of daily information

"PiServer" -- RSA encrypted file server   -   C++, Boost
    A remote-accessed file server

"FoodText" -- Dining Information via SMS   -   Python, Google Drive APIs, Raspberry Pi
    Delivers the day's menus via text message

"Space Infinitum" -- 3D Game/Simulation   -   C#, Unity3D
    Procedurally generated universe

Hackathon Projects

Citrus Hack (Fall 2016):   -   Python, Wit.ai, Raspberry Pi
    A voice-controlled circuit board

Cutie Hack (Spring 2017)   -   Python, OpenCV, Raspberry Pi
    A robot that tracks cups in "Three Cup Shuffle"

Enginuity Hackathon (Spring 2017)   -   C++, Windows C++ Libraries
    An end-to-end encrypted file transfer program

Cutie Hack (Fall 2017, team of 3)   -   HTML, JavaScript, Web APIs
    Creates recipes using discounted grocery items

Organization Affiliations

UCR RoboSub, Mechanical Team	-	2016 - 2018 :: Mechanical Team
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