ALEX TACESCU

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SKILLS

Robotics: Software Development, Mechanical Design, Electrical Design, Agile Project Management (SCRUM)

3D CAD: Design and Simulation in Autodesk Inventor [7 years], Dassault SolidWorks [5 years], and PTC Creo Parametric (ProE) [1 year]

Programming: ROS (C++ & Python), Android (Java), Pipelines (in Unix/ Linux) and Git

Microprocessor & Single-Board Computers: Raspberry Pi, Beagle-Bone Black/Blue, NVIDIA TX1/2,ESP32 & ESP8266, Device Trees in Linux

Other Software Experience: Linux (Debian/Ubuntu), MathCAD and MATLAB, Adobe Creative Suite(Photoshop & Premiere), Excel Macros Programming

EXPERIENCE

References Available upon Request

Integration Engineering Intern

Tesla

📅 Summer 2018   📍 Palo Alto, CA

- Responsible for troubleshooting battery thermal system issues and developing test stands for Model S/X, Model 3, Semi-Truck, and other products
- Developed software components for testing, collecting data over CAN networks
- Discovered and fixed 3 issues in critical systems such as the battery and powertrain thermal system and the high voltage system
- Identified a problem and implemented a change in 2 assembly cells that increased Model 3 end-of-line production by 45

Student Assistant

Worcester Polytechnic Institute

📅 Aug 2018 – Current

- Student Teaching Assistant for WPI's Junior year Robotics classes (RBE 3001 & 3002) focusing on robotic manipulation, dynamics, machine vision, path-planning, and other advanced concepts

PROJECTS

SUMMARY

Robotics engineering student with significant experience in 3D CAD design and extensive knowledge of multiple programming languages in multidisciplinary applications

EDUCATION

M.S. in Computer Science

Stanford University

📅 Sept 1997 – June 1999

B.S. in Symbolic Systems

Stanford University

📅 Sept 1993 – June 1997

AWARDS