

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, BeagleBone Black/Blue, NVIDIA TX1/2, ESP32 & ESP8266, Device Trees in Linux

Other Software Experience: Linux (Debian/Ubuntu), Math-CAD 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

SUMMARY

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

EDUCATION

B.S. in Computer Science

Stanford University

📅 Sept 1997 – June 1999

B.S. in Symbolic Systems

Stanford University

📅 Sept 1993 – June 1997

AWARDS

- 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
