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| MARK  JENNINGS | [www.makr.org](http://www.makr.org)  [markjennings97@gmail.com](mailto:markjennings97@gmail.com)  254.760.5530 |
| | Work Experience |  Nuclear & Applied Robotics Group  *Graduate Researcher* | *2019 – 2021*   * Developed intuitive controller for novel passively-balanced manipulator * Refactored codebase for custom robot arm to leverage open-source libraries * Advisor: Dr. Mitch Pryor, 512.423.1685   Sandia National Labs  *R&D Intern* | *Summer 2019*   * Designed and qualified additively-manufactured metal components * Manager: Michelle Pang, 505.288.5101   Apptronik, Inc.  *Engineering Intern* | *Summer 2018*   * Derived forward kinematic equations for 10DoF humanoid bipedal robot * Updated actuator testbed product to achieve higher payloads with lower fabrication costs   ReNeu Robotics Lab  *Undergraduate Researcher* | *2016 - 2019*   * Designed and fabricated components for rehabilitation robotics * 3D-printed and assembled custom hand and finger prosthetics | | Technical Skills |    Proficient:   * SolidWorks * C, C++ * MATLAB * Robot Operating System (ROS) * Additive manufacturing * Manual machining * MS Office   Familiar:   * Python * Simulink, LabVIEW * HTML, CSS, JavaScript * CNC operation |
| | Education |  MS Mechanical Engineering  *UT Austin | 2019 – 2021*   * Dynamic Systems & Control * Research: Robotic arms * Cross-disciplinary robotics program, 3.96 GPA   BS Mechanical Engineering  *UT Austin | 2015 – 2019*   * Robotics courses, 3.84 GPA |