Thomas Matthew Reay

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Work Experience

- **Enthought, Inc.**   Austin, TX
  Scientific Software Developer   *March. 2018 - Present*
    - Developing quantitative and technical solutions for science and engineering service companies.
    - Working with clients to plan project timelines and establish deliverables.
    - Designing software APIs for modeling customer problem domains and providing solutions.
    - Collaborated with clients to establish algorithm implementation and user workflow.
    - Deploying and managing multiple distributed web services using tools such as Docker, Ansible, NGINX, etc.
    - Designing and architecting desktop applications using Python and Qt.

- **Applied Research Laboratories: Space and Geophysics Lab**   Austin, TX
  Research Engineering / Scientist Associate   *Sept. 2015 - March 2018*
    - Built software suite in Python for beam-forming / array signal processing.
    - Produced informative visualizations of various geo-spacial data for presentations.
    - Assisted in setup and operation of field experiments and data collection in challenging environments.
    - Point of contact for testing and verification of software from partner labs.

  Student Technician   *Nov. 2014 - May 2015*
    - Analyzing ionospheric data from GNSS network.
    - Computational analysis with scientific Python suite.

- **University of Texas: Raizen Group**   Austin, TX
  Research Engineering / Scientist Associate   *June 2015 - Aug. 2015*
    - Researched potential applications for graphene oxide structures.

  Research Assistant   *June 2014 - Oct. 2014*
    - Designed an atomic hydrogen source for use in an UHV environment.
    - Drafting parts in Solid Edge to be machined.
    - Machining experience with a mill and lathe.

- **University of Texas: Liberal Arts ITS**   Austin, TX
  Desktop Support Assistant   *June 2012 - Aug. 2014*
    - Problem solving various computer issues for faculty and staff.
    - Processed and distributed new computers on a yearly basis.
    - Trained new student employees.

Education

- **University of Texas**   Austin, TX
  Computational Physics (GPA: 3.88; Hours: 137)   *Graduated with Honors Spring 2015*
    - Elements of Software Design, Elements of Databases, Intro to Computational Physics, Intro to Scientific Programming.

Skills

- **Programing Languages:**
  Python, Javascript, SQL, Fortran, Java, C, HTML, LaTeX, Mathematica, MatLab