DAN MARRINAN

dan.marrinan@gmail.com • Austin TX • (937) 901-5758 • www.linkedin.com/in/danmarrinan/

BUSINESS INTELLIGENCE DEVELOPER

MATLAB | Python/Pandas/MATPLOTLIB | SQL/SQLAlchemy | HTML/CSS | Javascript/D3 | C/C++ |
Fortran77 | XAML/C# | Microsoft Office

Data analyst with 5 years of experience with simulation and modeling development. Expertise in data visualization using MATLAB, Python, and Javascript. Broad background in math and science, ability to quickly acquire new skills and to communicate technical solutions effectively.

TECHNICAL EXPERIENCE

RESEARCH ASSISTANT, *The University of Texas at Austin, Austin, TX*   2014-2016
- Created imaging protocols for microscopy of nanoparticles and multiple cell types.
- Taught protocols to other graduate researchers and supported their imaging experiments.

MODELING AND SIMULATION DEVELOPER, *Booz Allen Hamilton, Dayton, OH*   2014
- Worked independently and collaboratively to upgrade outdated anti-radar device models to be compatible with current code in Fortran 77.
- Gained understanding of complex radar concepts and organized key advancements by multiple government contractors to support future development.

UNDERGRADUATE TEACHING ASSISTANT, *The Ohio State University, OH*   2011-2013
- Tutored freshman students in C/C++/MATLAB and graded student homework.
- Coached students with code development for robot design project.

SENIOR CAPSTONE PROJECT, *Honda R&D Americas, Columbus, OH*   2012-2013
- Led team of 4th year engineers in development of new manufacturing procedure.

SENIOR THESIS, *The Ohio State University, OH*   2011-2013
- Increased signal for measurements without compromising spatial resolution.
- Prevented need of multiple lasers costing in excess of $100,000 a piece.

RESEARCH ASSISTANT, *Air Force Research Laboratory, Dayton, OH*   2009-2011
- Developed scripts that performed signal processing, data visualization, statistical analysis.
- Designed GUIs in MATLAB to facilitate ease of use of numerical analysis routines.

OTHER EXPERIENCE

REGISTRAR, *St David's South Austin Medical Center, Austin, TX*   2016-Present
- Provide compassionate customer service to patients in ER and outpatient surgery.
- Verify insurance and demographic information and collect up to $10000 in payments per month.

EDUCATION

DATA ANALYTICS & VISUALIZATION BOOTCAMP, *The University of Texas at Austin*   2017-2018
- Analyzed statistical trends in NCAA Men's Basketball tournaments (1985-2017) in Python.

BACHELOR OF SCIENCE - ENGINEERING PHYSICS, *The Ohio State University*   2009-2013
- Magna Cum Laude with Honors and Research Distinction; specialization in Mechanical Engineering - Energy Conversion

PhD CANDIDATE - MECHANICAL ENGINEERING, *The University of Texas at Austin*   2014-2015