

Tom Overman

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tomoverman.com

EDUCATION

University of Texas at Arlington - B.S., Biomedical Engineering, Mathematics, **GPA: 4.0**
Expected Graduation May 2020, Arlington, TX

WORK/RESEARCH EXPERIENCE

University of Texas at Arlington, Undergraduate Cognitive Neuroscience Student
Researcher, January 2019 - Present, Arlington, TX

- Working with Dr. Levine and a group of other students on problems in cognitive neuroscience including biological neural networks and cognitive mathematical modeling

University of Texas at Arlington, Undergraduate Statistics Student Researcher
(CURM), August 2018 - Present, Arlington, TX

- Working with Dr. Pal and a group of other students on right-censored generalized gamma distribution statistics
- Simulation and testing using R statistical programming software

Planet Access, IT Consultant and Software Developer, June 2017 - Present, Irving,
Texas

- Various tech support jobs including server building, backup development, software optimization, and system automation
- Web development in python framework, web2py
- Communicate effectively with clients to develop useful technological solutions

University of Texas at Arlington, Undergraduate Applied Math Student Researcher
(REU), August 2017 - August 2018, Arlington, TX

- Working with Dr. Ambartsoumian on the Mathematics of Medical Imaging
- Using mathematical methods such as the Radon Transform, Back Projections, and Filtering for medical imaging applications and optimization
- Modeling systems in Matlab

Octane Web Design, Lead Web Developer and Designer, June 2016 - July 2017,
Arlington, TX

- Website development through vanilla code and Wordpress framework
- Worked with team of designers and marketers to build efficient web solutions
- Communicated directly with clients on issues pertaining to websites

SKILLS

- Proficient with: Python, Java, HTML, CSS, JavaScript, PHP, MySQL
- Experience with: Matlab, C, Bash Scripting, Swift, R
- Adobe Photoshop, Microsoft Office, GitHub, Solidworks, COMSOL

COURSEWORK

- Calculus I, II, III, Differential Equations, Linear Algebra, Proofs, Abstract Algebra, Discrete Math, Real Analysis, Probability, Statistical Inference
- Biomolecular Engineering, Fluids and Biomechanics, Human and Cell Physiology, Bioinstrumentation, Circuit Analysis
- General Chemistry, Organic Chemistry I & II, Biology: Molecular and Evolution & Ecology, Physics: Mechanics and Electricity & Magnetism
- Neural and Cognitive Modeling

AWARDS

- College of Engineering Dean's List, Spring 2017, Fall 2017, Spring 2018, Fall 2018
- College of Science Dean's List, Fall 2017, Spring 2018, Fall 2018