Adrian Jones

1152 Chesapeake Drive • Havre de Grace, Maryland 21078 • 443-966-4945 • ajones30@tulane.edu
http://www.tulane.edu/~damir/adrian.html

SUMMARY

May 2018 biomedical engineering graduate seeking a position as an entry-level engineer. Strong lab, team-based design, and independent study experiences. Completed fast-paced Clinical Immersion Internship. Recognized for problem solving, analytical abilities, and impeccable follow through. Eager to work at a company that develops products that improve user's quality of life.

EDUCATION

Bachelor of Science, Engineering (Biomedical Engineering) May 2018
Tulane University, New Orleans, LA **GPA:** 3.48

EXPERIENCE

Research Assistant December 2015 - Present
Cellular Biomechanics and Biotransport Lab, Tulane University New Orleans, LA

- Investigated neurogenesis by applying low-intensity ultrasound *in vitro* to cortical neurons.
- Developed protocol for culturing cortical rat neurons for ultrasound testing.
- Wrote and received three research grants for funding.

Resident Advisor August 2016 - Present
Tulane University New Orleans, LA

- Oversaw 42 students and fostered community in a freshmen and upperclassmen dormitory.
- Improved the community by mediating conflicts between roommates, performing health and safety checks, and getting to know all residents.
- Promoted success by creating professional program opportunities.

NIH-Sponsored Clinical Immersion Internship Summer 2017
Tulane University Hospital, Endoscopy Center New Orleans LA

- Shadowed an endoscopic surgeon to learn how procedures take place and identify user needs.
- Interviewed stakeholders to create a human-centered design project of a colonoscope.
- Presented developments in the design lifecycle to surgeon, mentors, and peers.

ACADEMIC PROJECTS

Biofilm Eradicating Stent Summer 2017-Present

- Created prototypes of a bile duct stent that improves patency by incorporating nanoparticles.
- Conducted experiments to create replications of existing stents as well as novel stent designs.
- Progressed to the finals in Novel Tech Challenge with the goal of winning in April 2018.

Biomimetic Robotic Leg Spring 2017

- Analyzed an existing patent and applied TRIZ principles to improve the design. It was improved by adapting the ankle joint to increase mobility.
- Completed a prior art search to prevent infringement, and designed around existing patents.

ADDITIONAL EXPERIENCE

Electric Girls Instructor, Audubon Charter School September 2017 - Present
Classroom Tutor, Lusher Charter School September 2014 - May 2017

EXTRACURRICULARS

- Tulane University Marching Band & Soundwave Pep Band August 2014 - Present
- Society of Women Engineers, Tulane University August 2014 - Present

SKILLS

Computer: Solidworks • MATLAB • Inkscape • VisualBasic • Mathematica • Microsoft Office Suite
Lab: Cell culturing • Ultrasound • Soldering • Lithography • Pipetting • Grant writing