

Benjamin A. Gertz

bgertz@tulane.edu • Github: [bgert](#)

EDUCATION

Tulane University, New Orleans, LA

Anticipated Grad. May 2020

B.S. Cell and Molecular Biology and Computer Science Coordinate Major

EXPERIENCE

Software Development Intern, **rMark Bio**, Chicago, Illinois

May- August 2019

- Developed a chat bot using the MS Bot Framework and the LUIS natural language understanding engine for a new way to interact with rMark APIs
- Built a RESTful API test harness using the Jest JavaScript testing framework

Genetics Research Intern, **Sackler School of Medicine, Tel- Aviv University**, Tel- Aviv, Israel

June- August 2018

- Raised and performed experiments on USPC-1 and 2 human ovarian cancer cells
- Results showed a correlation between exposure to IGF-1 and Insulin and expression of a gene responsible for the over production of estrogen, a cause of ovarian cancer

Head Counselor, **Olin Sang Ruby Union Institute**, Oconomowoc, Wisconsin

June 2017- August 2017

- Leveraged organizational and conflict mitigation skills to provide an engaging and safe summer camp experience
- Contacted and arranged enriching camper-led programs with local charities
- Worked cooperatively with camp management and colleagues to ensure a successful overall program

CAMPUS INVOLVEMENT

Lab Intern, **Tulane Department of Computer Science**, New Orleans

August 2018- March 2019

- Contributed to a web-based tool for the implementation of a researcher's algorithm to determine the likelihood a sequence of amino acids within a protein will be useful in vaccine development
- Employed the python language using the Dash framework for graphical analysis and presentation
- Will allow any lab worldwide interested in using the algorithm to conduct their own research

Campus Legislative Coordinator, **Tulane Israel Political Action Committee**, New Orleans

May 2018 – May 2019

Secretary, **Tulane Israel Political Action Committee**, New Orleans

April 2017- April 2018

- Maintain relationships with local congressman and senators to inform them on key issues regarding the American-Israeli relationship
- Construct and publish calendar of events and general meetings

Undergraduate Assistant, **Tulane Medical School**, New Orleans

February- April 2018

- Worked on a team of researchers performing a clinical study to determine which factors beyond side effects cause people to choose to stop taking their medication
- Created and logged survey information for subjects using Redcap
- Top recruiter of elderly patients taking high blood pressure medication to participate in the study

Brother, **Alpha Epsilon Pi Fraternity**, Tau Upsilon Chapter

SKILLS & CHARACTERISTICS

- *Computer*: Microsoft Office Suite including Access, Windows and MacOS, Java, Python, C, Haskell
- *Language*: Spanish (intermediate Verbal, Reading and writing)
- Fast learner, extremely "coachable," highly reliable and responsible, with a can-do attitude and attention to detail

RELEVANT COURSEWORK

- Intro to Computer Science I (Python and fundamental concepts), Intro to Computer Science II (Java and OOP, C, Haskell), Systems and Networking (OS fundamentals and IP), Discrete Math