Benjamin A. Gertz

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EDUCATION
Tulane University, New Orleans, LA   Anticipated Grad. May 2020
B.S. Cell and Molecular Biology and Computer Science Coordinate Major   GPA: 3.30 CS Major GPA: 3.69

EXPERIENCE
Software Development Intern, **rMark Bio**, Chicago, Illinois   May 2019- Present
- 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
- Building a recommendation engine for speaker programs starting with ETLs to populate a neo4j graph, will be implementing an algorithm for social media analytics augmented by business rules, and an API for I/O

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- 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
- Maintained relationships with local congressman and senators to inform them on key issues regarding the American-Israeli relationship
- Constructed and published calendars 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 & INTERESTS
- *Computer*: Git, Java, Python, C, Node.js, Windows, Mac and Linux terminal
- *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