**Brian J. Wiley**

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Baltimore, MD 21202 (480) 370 – 4230

Seeking a summer intern position in the field of Computational Biology

Special interest in Proteomics, Computational Medicine, Computational Oncology.

# SKILLS & QUALIFICATIONS:

* JAVA, Python, R, C++, HTML, SAS, Git Bash, Github, Linux Shell Scripting, MySQL, Oracle BI,
* Jupyter Notebook, Markdown, Machine Learning with Python’s Scikit Learn and Tensorflow, Jira Collaboration Platform, Bioconductor
* ANOVA, Chi-Square, Linear Regression, McNemar, Pearson Correlation
* SAP CRM, Cloud for Customer Applications, BI reporting systems
* Biology wet lab with manipulating DNA and cellular biology, Biochemistry and Organic Chemistry.
* Ability to work under pressure and in an international environment.

# EDUCATION:

JOHNS HOPKINS UNIVERSITY, Baltimore, MD

**Masters of Science Degree in Bioinformatics:** May 2021 (Expected) **Major GPA:** 3.7

LA SALLE UNIVERSITY, Philadelphia, PA,

# Bachelor of Science Degree in Business Administration: December 2008 Major GPA: 3.0

# Major: Finance/Risk Management:

# Relevant Coursework:

* Biotechnology DNA Manipulation*,* Molecular Biology of the Gene –Organic Chemistry, Biochemistry
* Cell Biology, Epigenetics Gene Organization and Expression, Protein Bioinformatics, Advanced Cell Biology II
* Java Data Structures, Algorithms for Bioinformatics, Linux Shell Scripting, Statistics, Applied Machine Learning

**COURSE PROJECTS**

* **Biotechnology DNA Manipulation*:***  *FINAL PROJECT:* Amplified EGFP gene from pcDNA3.EGFP plasmid and cloned into pUC19 vector and similarly amplified mK3 gene from pMIG-mK3 plasmid and cloned into pCIP vector.
* **Java Data Structures**: *PROJECT 1:* Implemented a fully functioning version of Doubly Linked List including a high fidelity version of an imbedded iterator which include a remove() function which is typically very hard to do. Additionally, created a writeup of the changes to standard Linked List in textbook written by the teach to be included. *FINAL PROJECT:* Created a fully functional InFix calculator GUI using java.awt and java.swing libraries.
* **Algorithms for Bioinformatics***: TEAM PROJECT 2:* Implemented the Bitonic Tour algorithm in Python as well as the visualization for the tour in Graphviz interface*. INDIVIDUAL PROJECT 3:* Implement the longest common subsequence (LCS) algorithm for DNA, RNA, and Protein sequences. *FINAL PROJECT*: Implement 4 different string matching algorithms in Python and R and create visualizations in R with ggplot2.

**WEBSITES:** <https://github.com/BJWiley233/Practical-Computer-Concepts-Files>  [https://github.com/BJWiley233](%20https://github.com/BJWiley233)

<https://www.linkedin.com/in/brian-wiley-52777931/>

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# EMPLOYMENT:

VARSITY TUTORS, Clayton, MO

# Math & Computer Science Tutor September, 2018 – May, 2019

* While pursuing Master’s Degree courses, tutored people from across the country in Mathematics, from 8th grade through college senior in subjects from Algebra to Calculus II.
* Also tutored college students in Statistics, Linear Algebra, and Cell Biology.

SUNRUN, Scottsdale, AZ

# Marketing Operations Analyst August, 2017 – May, 2018

* Provided sales cycle reporting for marketing stakeholders.
* Performed heavy reporting analysis with inContact, inView call center application and SalesForce.
* Implemented Oracle SQL and BI dashboards to Sales and Marketing Teams.
* Ran Gamification for lead generation representatives.

JOHNSON CONSULTING GROUP, Scottsdale, AZ

# Accounting Systems Analyst and Support June – August, 2017

* Determined Accounting System parameters and consulted with development team on implementation and updates for all clients.
* Handled internal systems and database connections within house software and QuickBooks platform.
* Collaborated with internal teams to document and consult with client needs and their point-of-sales strategy requirements.
* Developed client organizations and consulted from the end-to-end perspective for company strategies and market share optimization in the Funeral Home and Cemetery Industry.

SAP AMERICA, INC.,Newtown Square, PA

**Contract Administrator/Q2C Support - Global Cloud Sales Operations** November 2012 - March 2017

* Worked in direct contact with legal, sales and sales management teams to provide Cloud Subscription contracts for all regions: North America, Latin America, EMEA, MEE, and APJ.
* Processed opportunities, quotes, and booked orders for SAP and SuccessFactors Cloud Subscriptions.
* Handled quote-to-cash issues that arose during software solution sales and the procurement process.
* Worked with SuccessFactors and ARIBA teams on collaborative projects for SAP Cloud.
* Completed system authorization requests for sales and sales management teams from SAP and SuccessFactors.
* Worked directly with IT and Sales Tools owners in Jira to document and test Opportunity-to-Cash processes for Unified Cloud.
* Completed test cases, set up Solution Manager test packages, organized and hosted test calls for “Continuous Improvement Opportunity to Close” releases for Cloud.

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