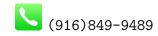
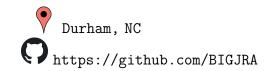
Jacob Annis





https://www.linkedin.com/in/jacob-annis/



EXPERIENCE

Software Developer (Contract) mAbXell, Inc., Mountain View, CA

o 10/2021 - Present

Uses Python to develop custom biomedical lab automation processes. Optimizes data processing to save crucial time for critical COVID-19 related research purposes.

0 12/2019 - 02/2020

Used Python to develop custom DNA sequence analysis processes.

Personal Project

o Game of Risk

Uses Python to create customizable, interactive game with complete game logic, input/output, and GUI. 80% completion.

CERTIFICATES

Fundamentals of Computing Specialization Rice University Faculty, Coursera. Compl. 10/2021.

- o Intro. to Interactive Programming In Python 1-2
- o Principles of Computing 1-2
- o Algorithmic Thinking 1-2
- $\circ \ Fundamentals \ of \ Computing \ Capstone \ Exam$

PostgreSQL For Everybody Specialization U. of Michigan Faculty, Coursera. Compl. 10/2021.

- o Database Design and Basic SQL in PostgreSQL
- $\circ \ Intermediate \ Postgre SQL \\$
- o JSON & Natural Language Processing PostgreSQL
- o D.B. Architecture, Scale, & NoSQL w/ Elasticsearch

• Command Line in Linux

Coursera Project Network, Coursera. Compl. 9/2021.

o Command Line Guided Project

• Data Structures & Algorithms Specialization U.C. San Diego Faculty, Coursera. *In Progress*.

- o Algorithmic Toolbox
- o Data Structures

EDUCATION

Mathematics, B.S. 09/2017 - 06/2021. University of California, Santa Barbara

- ∘ GPA: 3.82 / 4.00. "High Honors" Distinction.
- o Minor: Philosophy
- Key Courses: Abstract Algebra I-III, Real Analysis I-II,
 Complex Variables I, Combinatorics/Graph Theory, Numerical Computation, Computer Systems, Advanced Linear Algebra I-II, Topology, Vector Calculus I-II, Discrete Math, Intro. Comp Sci, Differential Equations.
- o Award: Academic Excellence Award
- o Other Academic Studies:
- (1) Worked with graduate student to study a graduate Polytopes text in Math Dept.'s Directed Reading Program. Created LaTeX poster and presented to UCSB faculty.
- (2) Studied abroad at University of Auckland for Winter & Spring 2020 via the Education Abroad Program.
- ∘ GRE Exam:
- (1) 170/170 Quantitative Reasoning
- (2) 163/170 Verbal Reasoning
- (3) 5.0/6.0 Analytical Writing

SKILLS

Technologies

- Python Programming. Builds high-quality, readable code. Effectively employs unit testing framework and debugging techniques. Broad knowledge of data structures, algorithm implementation and optimization.
- PostgreSQL Database Management. Knowledgeable on database optimization, indexing, and C.R.U.D.
- **LaTeX** Technical Documentation. Skilled in professional mathematical communication.
- o Windows and Linux commands.
- Microsoft Excel/Powerpoint/Word.

Personal Skills

- o Communicates well with team leader as collaborator.
- o Effective at delegation, mentoring and coaching.
- o Extremely organized, never misses deadlines!
- Dedicated to following work through to completion in fast-paced environments.
- o Learns quickly and studies efficiently.
- o Strong desire to improve systems to better peoples' lives!