

EDUCATION:

Computer Engineering, Current – Anticipated Master of Science Computer Engineering 2017

College of Engineering and Computer Science, Florida Atlantic University, Boca Raton, FL

Cumulative GPA: 3.9

Coursework includes: Stochastic Models, Discrete Math, Logic Design (with lab), Microprocessors (with lab), C Programming, Python, Computer Science Foundations (with lab), Data Structures, Image Processing, Internet Computing, Structured Computer Architecture

Bachelor of Science, Biochemistry, 2014

College of Biological Sciences, University of Minnesota-Twin Cities, Minneapolis, MN

Coursework includes: Statistics, Calculus I & II, Physics I & II (with lab), Chemistry I & II (with lab), Organic Chemistry I & II (with lab), Microbiology (with lab), Cell Biology, Genetics, Biochemistry I: Structure, Catalysis and Metabolism, Biochemistry II: Molecular Mechanisms of Signal Transduction and Gene Expression, Biochemistry Lab, Physical Biochemistry, Foundations of Biology I & II (with lab)

RELEVANT SKILLS:

Computer Languages: Coursework in: C, C++, Assembly, Javascript/jQuery, PHP, SQL, Matlab.

Intermediate: Python. Beginner: bash scripting, go

Additional Languages / Software: Comfortable in a command line environment. Additional experience in: Regular Expressions, Web scraping, Adobe CS6 (Photoshop, Illustrator), Microsoft Office, Multiple IDEs and text editors

Bio Software: Experience with web-based databases such as PubMed, UCSC, and GeneWindow. DNA sequence analysis with ApE and JSI's SeqPatient. Sequence research with BLAST/BLAT and SNP databases. Primer design with Primer3

Laboratory Techniques: Experience with: Gel Electrophoresis, HPLC, Gas Chromatography, PCR, DNA Sequencing, Western Blot, Spectroscopy, HNMR, Fluorescence Microscopy, Media Production and Preparation, Titration, Bright Field Microscopy, Bradford Protein Assay, *S. cerevisiae* and *E. coli* Transformation

RECENT EXPERIENCE:

Marketing Associate and Athlete, Beast Sports Nutrition, Boca Raton, FL, 2011 – 2015

- Western States 100 mile Endurance Run finisher – youngest participant
- Top age bracket finisher - 50 mile endurance run
- Authored majority of BEAST's published weekly blog entries
- Tradeshow model and spokesperson: largest venues - Olympia and Arnold
- Developed and executed new promotional campaigns that resulted in a 700%+ increase in BEAST social media following
- BEAST awarded "Breakout Brand of the Year" twice
- Interact with 10k+ (https://twitter.com/Jack_Burdick)

Research and Development Technician, PreventionGenetics, Marshfield, WI, 2014 – 2015

- Hired as a clinical lab technician and promoted to R&D faster than any previous employee
- Designed, validated, documented, and released gene specific clinical genetics tests
- Investigated, tested, and reported findings including cost analysis for potential new equipment and laboratory techniques
- On call to assist clinical techs in lab related issues

ACTIVITIES AND CERTIFICATIONS:

Phi Gamma Delta

- Recruitment Chair, Pledge Educator, Scholarship Chair

Rice Lake High School, Rice Lake, WI

- Badger Boys State Representative, Sr Class Vice President, Valedictorian, NHS
- Varsity Captain: Soccer, Hockey

American Heart Association

- Certifications: AED, CPR, First Aid