

Jon Belyeu

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Education

Brigham Young University

BS Bioinformatics, Minor: Computer Science

GRE 165 Quantitative (95th percentile), 170 Verbal (99th percentile). GPA 3.74/4.00

Provo, UT

Aug. 2009–April 2016

Selected Courses

- Big Data, Algorithm Design & Analysis, Advanced Programming Concepts, Internet Programming, Discrete Structure, Data Structures

Experience

Research

Perry Ridge, Ph.D., Brigham Young University

Research Assistant, Department of Biology

Computational research in genetics/genomics

- Graphically analysing data with R
- Using supercomputer resources for large-scale analyses
- Developing SelectT (Selection Test) in Java:

Provo, UT

Sept. 2014–Present

Richard Gill, Ph.D., Brigham Young University

Research Assistant, Department of Biology

Ecological data pipeline development

- Built data pipeline for automated or manual storage of ecological time-series data
- Managing Ubuntu server and MySQL database of time-series data
- Performing time-series data analyses and quality control

Provo, UT

Apr. 2015–Present

Industry

Center for Teaching and Learning, Brigham Young University

Web Developer

Developer for the BYU course management website

- Back-end web development
- Some front-end web development

Provo, UT

Apr. 2014–Sept. 2015

Teaching

Department of Computer Science, Brigham Young University

Teaching Assistant

Instruction in basic programming skills

- Tutored individuals and groups in C++

Provo, UT

Jan. 2014–April 2014

Skills and Qualifications

Programming Languages..

- C/C++
- C#
- Java
- Bash/Shell
- R
- Python & Biopython

Typesetting Languages.....

- L^AT_EX

Data Science Technologies.

- Hadoop MapReduce
- Apache Ignite
- Apache Kafka

Web Technologies.....

- Javascript
- JQuery, NodeJS
- AngularJS, MustacheJS

- HTML5/CSS

Bioinformatics Skills.....

- Algorithm development
- Computational tool development
- Parallel processing
- Supercomputing
- Database development