

Last Updated August 25, 2016

Brandon A. Price

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baprice.github.io

Education

University of North Carolina at Chapel Hill

Aug 2016 – Present

- PhD, Bioinformatics and Computational Biology

University of North Carolina at Chapel Hill

Aug 2011 – May 2015

- Bachelor of Science, Quantitative Biology
- Bachelor of Arts, Computer Science
- Minor in Chemistry

Research

McKay Lab at UNC Chapel Hill

Aug 2015 – Aug 2016

PI: Dan McKay, PhD

Bioinformatics Technician

- Developed data analysis pipelines for the chromatin accessibility assay ATAC-seq
- Investigating the use of de novo transcription factor footprinting in order to find differences in DNA-binding protein interactions between developing cells

UNC Visual Analysis and Communications Laboratory

Dec 2014 – May 2015

Advisor: David Gotz, PhD

Research Assistant

- Developing software prototypes for new data visualization and analysis methods
- Implementing new functions to extend existing prototype software using Python

UNC School of Medicine, Dept. of Anesthesiology

Dec 2013 – Aug 2014

Advisor: Andrey Bortsov, MD, PhD

Research Assistant

- Investigated epigenetic predictors of chronic pain from an epigenome-wide association study.
- Involved extensive analysis and visualization of DNA methylation data using R.

UNC School of Medicine, Maternal-Fetal Medicine

Aug 2011-April 2012

Advisor: William Goodnight, MD

Advanced Research Support

- Tasked with finding and reviewing research texts.
- Data entry and management in Excel.

Publications

David Gotz, **Brandon A. Price**, and Annie Chen. Visual Model Validation via Inline Replication. Submitted to *IEEE Visual Analytics Science and Technology (2015)*.

Projects

Please refer to baprice.github.io/Projects for details on current and past projects

Employment

McKay Lab at UNC Chapel Hill

Aug 2015-Aug 2016

Bioinformatics Technician

New Hanover Regional Medical Center

June 2011-May 2015

Patient Transport

- Work with Central Transport Team in transporting patients to and from tests and procedures within the hospital. Directly responsible for patient care and condition during transport.

Technical Skills

Operating Systems:

Linux, Windows

Programming:

Experienced: Python, R, Bash, SQL, JavaScript/HTML/CSS

Familiar with: C++, PHP, Java, Matlab, Perl

Libraries Used: JQuery, D3.js, Three.js/WebGL, OpenGL
CherryPy, SciPy, scikit-learn, ggplot2

Databases:

MySQL, PostgreSQL, SQLite