ChrisJohnson

1078 Sumac Drive   |   Logan, Utah 84321   |   [7cdjohnson7@gmail.com](mailto:email@domain.com)   |  (801) 898-0236 | [rehpotsirhc.github.io](https://rehpotsirhc.github.io/)

**SUMMARY**. ....

Back-end Software Engineer of 6-years industry experience across the full stack using **C#**, **.NET**, **MSSQL**, TFS, Windows Server and other Microsoft technologies. Analytical thinker with excellent logical reasoning ability and superb written communication skills. Optimization and computational biology researcher with 2 years experience **model fitting** using **machine learning** techniques: including search algorithms, neural networks, regression, clustering and feature extraction programmed in **Matlab**, **Python** and **Java** (4 years experience with Java).

**PROFESSIONAL EXPERIENCE**

**Utah State University**   Logan , Utah          January 2015 - Present

*Machine Learning and Computational Biology Researcher and Lab Manager*

* Built optimization software and successfully applied it to fitting two biological models.
* Collaborated closely with the Institute of Systems Biology on modelling research.
* Increased speed of biological simulation software (Java) over 10 fold.

**Orchid Event Solutions (Visit Salt Lake)**   Salt Lake City , Utah          December 2013 - August 2014

*Software Engineer*

* Reduced website creation time over 25% by automating development, build and deployment processes.
* Led a successful software migration to newer technologies including TFS and Release Management.

**Carnections, Inc.**   Salt Lake City , Utah          June 2009 - December 2013

*Co-Owner, Founder and Webmaster*

* Designed, programmed, and maintained its website, carnections.com
* Significantly expanded online presence using search engine optimization (SEO)

**Shipping Connections**  Salt Lake City , Utah          September 2007 - January 2013

*Web Developer and Software Engineer*

* Brought company into 21st century by building data-driven websites to increase sales and capture leads
* Gained formative experience across full development stack

**EDUCATION**

**Utah State University**   Logan, Utah          July 2016

*Computer Science, M.S., GPA 3.89*

* Emphasis in **machine learning**, optimization, and computational biology
* Select courses: **Intelligent Systems**, **Speech and Natural Lang. Processing**, Bioinformatics, **Adv. Database Sys**
* Thesis: **Fitting a Multiscale Biofilm Model using a Parallelized Multi-objective Genetic Algorithm**

**University of Utah**   Salt Lake City, Utah          May 2012

*Psychology, B.S., GPA 3.75*

**University of Utah**   Salt Lake City, Utah          May 2012

*Philosophy, B.S., GPA 3.75*

Honors: Dean's List for 7 semesters, Honors At Entrance Scholarship (full-tuition)

* Addnl. courses: Calculus I, II, III; Linear Algebra; Foundations of Analysis; Discrete Structures; Symbolic Logic

**Additional Honors**: Cottonwood High Salutatorian in 2007 (2nd in graduating class of 600), Eagle Scout, National AP Scholar

**PUBLICATIONS**

* Third author on *Bridging the multiscale gap: Identifying cellular parameters from multicellular data*
* Two additional publications on biofilm modelling and parameter fitting are in-progress

See <https://rehpotsirhc.github.io/> for more information on my master’s thesis, publications, and code samples