Chris Johnson

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SUMMARY.

Back-end web, application, and Restful API developer with 8 years of experience across the full stack, primarily using **C#**, **.NET**, **MSSQL**, and **Javascript**. More recent experience includes **Angular**, **AWS, MySql, .Net Core, and microservice-**oriented architecture. 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**. Creative, analytical thinker with excellent logical reasoning ability and superb written communication skills. I am a curious, life-long learner committed to exceptionalism in everything I do.

PROFESSIONAL EXPERIENCE

Dealertrack (Cox Automotive) Sandy, Utah   August 2016 - Present
Software Engineer
➜   Integral team member of a large, multi-team initiative to modernize a large SaaS application from RPG/DB2 to **microservices** written in C#/**.Net Core** and hosted in **AWS**
➜   Stepped-up as team-lead part way through project after company reorganization
➜   Practiced **Scaled Agile Methodology** and used automated build/deployments to facilitate **continuous delivery**

Utah State University Logan , Utah   January 2015 - August 2016
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 devops migration to newer technologies including TFS and Release Management.
➜   Practiced Agile Methodology on a small, cross-functional team

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)

SKILLS and TECHNOLOGIES
➜ Full stack, APIs, microservices, UI, speech and language processing, data vis., machine learning
➜ C#, .NET Framework and Core, Angular, Java, MSSQL, MySQL, Python, Javascript, Matlab, Docker, Git, TFS, AWS (EC2, Elastic Beanstalk, Lambda, Aurora, S3, Dynamo)

EDUCATION

Utah State University Logan, Utah   July 2016
Computer Science, M.S., GPA 3.89
➜   Emphasis in **machine learning**, optimization, and computational biology
➜   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

PUBLICATIONS
➜ Third author on *Bridging the multiscale gap: Identifying cellular parameters from multicellular data*
◆ Primary contribution was developing parameter searching software to fit model
➜ Third author on Cell Death as a Trigger for Morphogenesis
◆ Primary contribution was developing and programming software model of biofilm cell death

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