

CHRISTOPHER JOHNSON

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EXPERIENCE

- 01/2015 to Current Research Assistant and Lab Manager
Utah State University — Logan, UT
- Programming simulation and model fitting software and tools using Java, Python and Matlab
 - Writing and editing journal and conference papers using Latex
- 12/2013 to 08/2014 Software Engineer
Orchid Event Solutions (Visit Salt Lake) — Salt Lake City, UT
- Reduced website development time by:
 - Implementing a software migration to newer technologies including Microsoft Team Foundation Server, Release Management, and Visual Studio 2013
 - Creating tools to automate some website creation and deployment processes using C# and Windows Powershell
 - Created websites for event registrations in C# and ASP.NET
- 06/2009 to 12/2013 Co-Owner and Webmaster
Carnections, Inc. — Salt Lake City, UT
- Co-founded and expanded Carnections, Inc., which brokers the shipment of automobiles nationwide
 - Designed, created, and managed its website, carnections.com
 - Planned and implemented search engine optimization
- 09/2007 to 01/2013 Web Developer and Software Engineer
Shipping Connections — Salt Lake City, UT
- Expanded online presence, improved interoffice efficiency, and increased sales by programming and managing several interactive, data-driven websites, information and communication tools, and business applications utilizing C#, MSSQL, and ASP.NET
 - Spearheaded "going paperless" by computerizing the office's organization, file system, and communication

EDUCATION

- 2016 Master of Science: Computer Science
Utah State University — Logan, UT
- Expected graduation: May 2016
 - GPA: 3.89
 - Emphasis in machine learning and *computational biology*
 - Select coursework: Intelligent Systems, Speech and Natural Language Processing, Adv. Bioinformatics, Adv. Database Systems
 - Thesis: *Parameter Fitting a Multi-scale Model/Simulation of Biofilm Morphology using a Parallelized Multi-objective Genetic Algorithm*
- 2012 Bachelor of Science: Philosophy and Psychology
University of Utah — Salt Lake City, UT
- GPA: 3.75
 - Dean's List for 7 semesters
 - Honors At Entrance Scholarship (full-tuition scholarship)
 - Additional coursework: Calculus I, II, III; Linear Algebra; Foundations of Analysis I; Discrete Structures; Symbolic Logic
- 2007 Additional Distinctions
High school Salutatorian
National AP Scholar

LANGUAGES AND TECHNOLOGIES

Java, C#, .NET, Python, Matlab, Octave, MS SQL, MYSQL, Powershell, Javascript, XQuery, C++, Latex, IntelliJ, Visual Studio, Eclipse, PyCharm, TFS, Windows Server, Git, Subversion, IIS

PUBLICATIONS

Q. B. Baker, G. J. Podgorski, C. D. Johnson, E. Vargis, and N. S. Flann, "Bridging the multiscale gap: Identifying cellular parameters from multicellular data," in *Computational Intelligence in Bioinformatics and Computational Biology (CIBCB)*, 2015 IEEE Conference on. IEEE, Aug. 2015, pp. 1-7. [Online]. Available: <http://dx.doi.org/10.1109/cibcb.2015.7300323>