

COLLIN W. McCORMACK

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Pittsburgh, PA

Education

Carnegie Mellon University
M.S. in Computational Biology (Dec 2012)
G.P.A. 3.79

Creighton University
B.S. Computer Science (May 2011)
Minor in Biology
G.P.A. 3.71, Major G.P.A. 4.0

Experience

Research Assistant

Jan 2012 - Dec 2012

Carnegie Mellon University, Pittsburgh, PA

- Designed, developed, tested, and documented a system to simulate the evolution of protein domain architectures.
- Analyzed the resulting data and performed directed, iterative improvements of the system.
- Analyzed the statistics of the underlying domain architecture data to measure the accuracy of simulations.

Junior Development Intern

May 2011 - August 2011

GE Healthcare, Barrington, IL

- Designed, implemented, and tested an ASP.NET internationalization framework for a suite of medical records interfaces.
- Tested the cross-browser compatibility of the application's interface and functionality.
- Participated in an agile development team.

Junior Developer

January 2011 - May 2011

Baldwin Hackett & Meeks Inc, Omaha, NE

- Used Python to perform data mining on a large medical dataset, wrote custom scripts to extract and combine data in meaningful ways in order to identify trends via graphs.
- Worked with an external academic team to provide additional data for whitepapers.

IT Consultant

May 2009 - May 2011

Dupli-Graphic, Chicago, IL

- Developed custom software for business-specific problems (Java, PHP).
- Set up, upgraded, maintained, and decommissioned computers along with general IT support (software, hardware, printers, network).

Input Controls Tech Lead

May 2010 - August 2010

GE Healthcare, Milwaukee, WI

- Assisted in gathering and refining requirements for the design specifications and related processes for an internal, business-wide application instance inventory tool required for FDA compliance and audit readiness.
- Lead the design and development of the functional prototype of this tool; responsible for prototype deliverables, demos, and progress.

Skills\Activities

Languages: Java, Python, C, PHP (HTML/CSS), Javascript, MySQL, MatLab, LaTeX

Environments: Windows, Linux/Unix

Activities: OAQA active contributor, ACM

Projects: Zombocalypse Simulator, DomArch, OAQA/BioQA

Awards

Presidential Scholarship (Creighton)

Dean's List (F-09, S-10, F-10, S-11)

John N. Mordeson Award (Creighton)

Academic Achievement Fellowship (Carnegie Mellon)

References available upon request.