AIDAN SAWYER (RIT)

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OBJECTIVE:

I'm looking for meaningful work involved with the organization, propagation, and expansion of knowledge and value, with particular regard to library resources, scientific research, and philosophical inquiry.

EDUCATION:

Rochester Institute of Technology (RIT): *Bachelors of Science Double Major*   Graduation: Dec 2017

- Software Engineering [Library and Information Science Application]
- Philosophy [History of Philosophy Specialization]
- Commendations: Presidential Scholarship

WORK EXPERIENCE:

Wallace (RIT) Library Digital Initiatives and Metadata Services   Since Feb 2016
Teresa Kellett - Library Systems Support Analyst - tmkwml@rit.edu
- Catalog volumes from the school magazine and upload to the DSpace digital media library
- Maintain integrity of Millennium library catalog by staging unlinked records for deletion.
- Develop and document automated solutions for various projects where appropriate

EagleDream Technologies *Software Development Intern*   Jun - Dec 2015
Scott Telle - Senior Software Developer EDT - Scott.Telle@EagleDream.com

- Design and development of a C#/.Net application meant to integrate/sync VoIP users with Microsoft's Active Directory via web clients and native libraries. Particularly responsible for the design and implementation of the Filter, Search, and Match subsystems.
- Development and maintenance on a legacy application for managing, storing, and displaying EMR data. Responsible for designing and developing the systems used for constructing CCDA, QRDA, and CQM reports using Java and iReport.
- AWS Web Services Transition: responsible for planning, documenting, and beginning a migration from local hosting over a dozen wordpress sites onto the cloud.

JBioFramework *Research Assistant/Lead Developer*
Dr. Paul Craig - Chemistry Department head at RIT - pac8612@rit.edu
                    2012 to 2015

- Development, maintenance, and refactor of a series of proteomics simulations for the education of AP high school and beginning undergraduate Biochemistry/Biotechnology students.
- Written in Java programming language, available on SourceForge and hosted online at www.rit.edu/cos/JBioFramework.

University of Maine Presque Isle (UMPI) *Research Assistant/Lab Aid*   May - Sep 2011
Dr. Jason Johnston - Professor at UMPI
- Conducted a literature search and review to assist in the development and description of research methods and data analysis.
- Perform various lab procedures to extract DNA and analyze hormone levels from samples of bird blood.
- Input and organize collected physical articles into digital storage.

SKILLS AND FOCUS:

- Systems Thinking: Proficient at understanding, organizing, and describing complex systems of ideas and information, and where appropriate, to use experience with software development to expedite and improve it.
- Refactoring: Long-term experience organizing and updating legacy code, and tracing downstream effects of short-cuts, ill-informed style/design, and spotty bug-fixes.
- Quality Assurance: Understand importance of documentation, longevity, and style. Effective at communicating complex ideas with the proper abstraction and of spotting the effects of various changes over time.
- Object-Oriented Design: Able to comprehend, architect, construct, and repair software systems, and to handle and trace their implications, interactions, and inheritance.

PERSONAL PROJECTS:

- Dublin Core text parser – script and input schema for encoding dublin core metadata in readable text files and translating it into MARC, JSON, and CSV formats. *Code* available on GitHub at: github.com/atla5/dublin-core-text-parser.

- Personal Site – html, js, php, Bootstrap – ongoing site containing more information about me and my work. *Code* available on GitHub at: github.com/atla5/personal-site. *Site* hosted and accessible at www.se.rit.edu/~aks5238/about/.

- JColorChager – Java – simple RGB color selector composed of Swing components. Code available on GitHub at: github.com/atla5/JColorChanger and runnable *executable* available for download at sourceforge.net/projects/jcolorchanger/.