

AIDAN SAWYER (RIT)

email: aks5238@rit.edu | phone: 585.397.5491 | sourceforge: aks5238 | github: atla5

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: *Bachelors of Science Double Major*

Dec 2017

- Software Engineering [Informatics Application]
- Philosophy [History of Philosophy]
- Commendations: Presidential Scholarship

EXPERIENCE: My experience centers around designing, implementing, and documenting backend, object-oriented systems.

EagleDream Technologies *Software Development Intern*: Consulting firm providing multiple project assignments.

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 CCDAs, 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.

2012 to 2015

JBioFramework *Lead Developer/Research Assistant*: Suite of proteomics simulations written in Java.

Dr. Paul Craig - Professor and Department head at RIT - pac8612@rit.edu

- Continued development, maintenance, and refactor of a series of proteomics simulations for the education of undergraduate Biochemistry/Biotechnology students.
- Written in Java programming language, available on SourceForge, and hosted by RIT [www.rit.edu/cos/JBioFramework].

COMPUTING LANGUAGES:

- Java : 3.5 years – EMR software with EDT, proteomics research, personal projects. Swing, Spring, Hibernate, OO Design
- Web : basic experience with creating and maintaining sites in html, js, php, json, bootstrap,
- AWS : high-level knowledge of infrastructure, console management, and tools.
- Bash : basic scripting, automation, tests, maintenance, directory management
- C# : Visual Basic, WPF, MVVM architecture, Active Directory and VoIP user integration
- C : callable tools, command line applications, coursework
- SQL : basic database queries and maintenance, introductory theory, normalization
- Python/Ruby : algorithms, prototypes, web frameworks
- Spin/Alloy : logic puzzles, software modeling, concurrency

SKILLS AND FOCUS:

- 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 and coding style. Effective at communicating complex ideas with the proper abstraction and of spotting the effects of various changes over time.
- Object-Oriented Subsystems Design: Able to comprehend, architect, construct, and repair systems of various sizes, and to handle and trace their implications, interactions, and inheritance.

PERSONAL PROJECTS:

- Personal Site – html, js, php, Bootstrap – simple bootstrap site containing more information about me, my projects, and papers.
- JColorChanger – Java – simple RGB color selector composed of Swing components (Alpha)
- JTileEditor – Java – early experiment in Observer pattern and larger systems (in development)
- Watchables – C, Bash, Bootstrap – personal design challenge in technology selection, database creation, scalability, video, and web/server technologies. (Early design) *formally 'FlickerTV'