

Mateusz Bocian

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Work Experience

Web Coordinator at University College Literary & Athletic Society

March 2011 – Present

In charge of building and maintaining the University College Orientation website year-to-year. The website is the primary registration method for first-year students planning to participate in orientation week. Managed the information of approximately 650 students and collected over \$50,000 in orientation funds through online registration.

Update and maintain the content of University College Literary and Athletics Commission website regularly. The website keeps University College students notified of upcoming events and programs, as well as work positions available on campus.

Worked with an artist to create a new Wordpress template to meet the growing needs of the organization. The new responsive, easy to use design is scheduled to go live in March.

Game Programming Intern at Little Guy Games

May 2013 – September 2013

Main developer in charge of a large Javascript game. Focused on improving start time, cleaning up the front end, as well as optimizing and sanitizing database queries.

One of two Unity programmers involved in creating a prototype of a children's web game. The game had two sections, surface and battle, and I was the programmer in charge of the battle portion of the game. Worked closely with the game designers and a number of artists in order to rapidly implement prototype features, balance the game, and test the product for bugs and amusement levels.

Programming/Systems Intern at Scholars Portal

May 2011 – May 2013

Main programmer behind a web application used by 30 universities across Canada. The application provided the license information of many electronic resources for staff, faculty, and current students including e-journals and e-books. Managed rapid horizontal and vertical scaling of the web application throughout my time at the company. Created a development and deployment cycle for the application and trained incoming staff to ensure they had the proper skills and knowledge to start working on the project.

Worked on a search engine for e-journals, and e-books used by 21 Ontario universities. Developed tools that assisted with daily operations such as loading, editing, and testing of live content.

Relevant Projects

Stock Target Prices (stocktargetprices.com)

March 2011 - present

Stock Target Prices is a web startup that aggregates financial projections of nearly 400 analysts covering over 5000 companies. Worked with the Python tool in charge of database control to increase efficiency of the site while adding new functionality to the tool.

In charge of a complete site redesign that is scheduled to go live later this month. The focus of the redesign is to create a new responsive, user-friendly front end, while also providing more space for new incoming features.

Ray Tracer - Computer Graphics (CSC418)

March 2013 - April 2013

Worked with a partner to develop a C++/OpenGL ray tracer. Implemented advanced computer graphic techniques to produce computer generated 3D scenes of the highest quality. The final scene included secondary reflection, light sources of varying colour, and non-primitive objects with a wide range of material types.

Search Engine - Introduction to Software Engineering (CSC301)

February 2012 - March 2012

Worked in a team of five, using a scrum development cycle, to create a web-based search engine. The application had a Java component that crawled the web and populated the database with links to request for proposal documents, while the web portion used PHP to provide search results to the user based on keywords contained within PDF documents.

Education

University of Toronto

Honours Bachelor of Science (B.Sc.), Computer Science
2009 - Present (Expected 2014)

Technical Summary

Web Development - HTML5, CSS3, Javascript/JQuery, MySQL, Apache, PHP, Django
Software Development - C, C++, C#, Java, Python, Unity3D
Version Control - SVN, Git, Mercurial

Interests and Languages

Coding, Ultimate Frisbee, Skiing, Comedy, Guitar
Fluent in English, Polish and Partial German

References

Available upon request