Timothy R. Kolstrom

5110 Williamsfork Trail, Apt 104
Boulder, CO 80301
(717) 576-7983
tkolstrom@gmail.com
timkolstrom.com

Education

Pennsylvania State University   **Harrisburg, PA**

2014—present *(graduating May 2017)*

Bachelor of Science, *Computer Science* (Cumulative GPA: 3.52)

Currently studying computer science with a heavy focus on mathematics and algorithm analysis.

Areas of Study:	Discrete Mathematics, Data Structures, Algorithms,
	Formal Languages and Automata, Compiler Construction,
	Database Design and Implementation, Operating Systems, Software Engineering
Languages Utilized:	**Java, Python, C++, SQL**
Extracurricular:	Secretary of the Association for Computing Machinery Club 2016-2017
Projects:	*pollEDU, Developer.* **Android** application along with Web API developed using **Python** on the **Django** framework. This app allows users to complete and create quizzes and tests for course review.

Pennsylvania State University   **University Park, PA**

2008—2012

Graduated May 2012:

Bachelor of Arts, *Communication Arts & Sciences* (Major GPA: 3.96)

Bachelor of Arts, *Religious Studies* (Major GPA: 3.78)

Projects

IBM Nittany Watson Challenge   http://edtechnetwork.psu.edu/watson

January 2017 – present

Currently in development. My team is currently developing a web application (Python on Flask), to optimize office hours scheduling and facilitate communication between professors and students at Penn State, focusing on natural language analysis algorithms with the help of IBM Watson analytics.

groupcaster   https://groupcaster.herokuapp.com

January 2017 – present

Currently in development. This web application, created with Ruby on Rails, is a reimagining of early social media sites. Mostly created for me to practice web app development and the MVC design pattern. Current features include secure registration/login, password hashing, user profile styling, user message posting and user follow functionality.

(Try out the site using login: *guest@groupcaster.com,* password: *password*).

Work Experience

Computer Aid, Inc.   **Harrisburg, PA**

Software Development Intern, May 2016 – October 2016

Tech/Frameworks:	**Microsoft Visual Studio, ASP.NET, Web Forms, MVC, jQuery, Bootstrap**
Languages:	**C#, Javascript, VB.NET**
Projects:	Worked on a team building a web app for healthcare inspections.
	Completed projects and demos in MVC along with Web Forms

Beechtree Landscape & Design   **Baltimore, MD**

Office Manager, Jan 2013 – Jan 2014

Managed office and handled company finances.

Created advertising campaigns and artwork for marketing purposes.

Acted as a resource for employees with assistance in legal and financial issues.

REFERENCES AVAILABLE UPON REQUEST