

BILAL AHMAD

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EDUCATION

Colby College, Waterville, Maine, USA
Bachelor of Arts, Computer Science, May 2015

Key Coursework:

Computer Networks & Security, Object Oriented Design, Data Structures, Data Analysis & Visualization, Analysis of Algorithms, Computer Organization, Advanced Graphics

Aquincum Institute of Technology,
Budapest, Hungary, Jan 2014 - June 2014

Key Coursework:

Mobile Software Development, Computer Vision, Computer Graphics, User Interface Design, Information Technology Entrepreneurship, Hungarian Language

RELEVANT EXPERIENCE

Full Stack Developer — OmniCoach (Co-Founder), *Portland, ME* **Sep 2015 - Present**

- Created a data driven fitness app that connects coaches and trainers to their athletes, driving user engagement through custom workouts, progress tracking, and insightful analytics.
- Developed a Django backend, driven by Unicorn, Nginx, and PostgreSQL, with a RESTful API.
- Put together a responsive web app using JS, JQuery, Bootstrap.
- Managed project development workflow and directed other engineers and interns.
- Won Colby College's 2016 Entrepreneurial Alliance Business Competition.

Data Engineer Intern — Pantheon, *San Francisco, CA* **Jan 2015 - Feb 2015**

- Laid basic groundwork for providing access to data and analytics for Pantheon to answer business related questions and identify meaningful insights from its operations and users.
- Introduced new ETL scripts in Python to collect data from container-based cloud platforms, integrated it with Looker, a business and data analytics tool, and created dynamic visualizations and dashboards from the data.
- Experienced daily operations and workflows of Pantheon and participated in various engineering, sales, and finance meetings to gain a better understanding of Pantheon's management and culture.

Software Engineer Intern — Bigelow Laboratory, *Waterville, ME* **Sep 2013 - Jan 2014**

- Designed, executed, and implemented a web application using Django in an agile production environment with short iterations and frequent updates to the codebase. Developed the backend infrastructure driven by SQL and Apache running on Cent OS. Utilized JIRA for bug tracking and GIT repositories for source and version control.
- Enabled marine scientists to be more productive through automation of data entry, calculations and validations.
- Established a long term and professional client-based relationship remotely with frequent on site meetings.

DevOps Engineer Intern — Bigelow Laboratory, *Boothbay, ME* **June 2013 - Sep 2013**

- Deployed and configured applications for a High Performance Computer Cluster. Optimized and automated processes on computer clusters to increase efficiency and productivity using Fabric through KVM based VM's.

Teaching Assistant & Tutor — Colby CS Department, *Waterville, ME* **Jan 2012 - May 2015**

- Prepared and led weekly Python & Java based lab sessions for a couple dozen CS students on various CS courses.
- Acquired leadership and teaching skills through lesson planning and collaborating with students and faculty.

LEADERSHIP & VOLUNTEER WORK

Colby Engineering Club (Co-Founder), Colby Engineering Club **Sep 2012 - May 2015**

- Engaged in designing various projects with single board computers, micro controllers, and through programming to introduce and expose the greater Colby community to creative and computational thinking and engineering.

Member & Secretary, Colby IT Services Committee **Sep 2014 - May 2015**

- Collaborated with IT personnel and faculty to solve technological challenges and set advancement groundworks.

SKILLS & INTERESTS

Proficient:	Python, JAVA, JavaScript, Django, JQuery, Git, Fabric, RESTful API's, Linux, OS X
Familiar:	C++, Swift, WebGL, Ruby on Rails, Virtualization, Web Servers, Databases, C9
Some Exposure:	GO, Node, PHP, React, AWS, Jenkins, Chef, Looker, OpenGL, OpenCV, Open Stack
Foreign Languages:	Advanced Farsi / Persian, Elementary German, Elementary Hungarian
Other Interests:	Traveling, Cooking, Soccer, Football, Doctor Who, Entrepreneurship, Cyber Security