

Bret Black

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OBJECTIVE Seeking a position that will allow me to apply my experiences with and passion for computer science and software engineering in game development and mobile apps.

EDUCATION Lafayette College, Easton, PA Expected May 2016
Bachelor of Science, Computer Science GPA 3.14 Overall, 3.30 In-Major

Springfield High School, Springfield, PA June 2012
Graduated Top 15% of Class GPA 4.30

RELATED SKILLS *Programming Languages:* Java, C/C++, Python, HTML5, JavaScript
Web Backend Technologies: Node.JS, PostgreSQL, PHP
Packages: Android SDK, Git, Unity3D, Photoshop, GameMaker: Studio, WordPress, LaTeX, Bash, Google Play Game Services, AdMob
Operating Systems: Windows, Ubuntu Linux, Fedora Linux, Android
Writing: Formal, Scientific, Blogging, Informal, Fictional, Satirical, and Informative
Other: Presentation, Leadership, Project Management, Teaching

PROJECTS AND EXPERIENCE *Programmer, Producer, and Lead Designer* September 2014 - Present
Vashta Entertainment <http://vashtaentertainment.com>

- Independent game development with a peer
- *Harvested*, RTS-Survival PC game, selected to be presented at MAGFest February 18-21, 2016 (<http://harvestedgame.com>)
- *Trenches Of War*, mobile WWI strategy game, over 10,000 downloads
- *Cell: Artery Attack*, mobile arcade game

Independent Developer September 2013 - Present

- Developed two Android apps, "Context SMS" and "Meal Plan Assistant." (<https://play.google.com/store/apps/developer?id=Bret+Black>)
- Contracted to build websites for Delaware County Trial Lawyers Association, Employment Practices Outsourcing, and DiOrio & Sereni, LLP

Intern Winter 2015 - Spring 2015
MGN Logistics, Easton, PA

- Improved a logistics web app using PHP, JavaScript, and HTML

Teaching Assistant and EXCEL Scholar Summer 2014 - Present
Computer Science Department, Lafayette College, Easton, PA

- *EXCEL Scholar:* Created an online assessment system with three colleagues. Provided experience with Node.js, JavaScript, Git, and PostgreSQL
- *cs.getHelp();:* Co-founded and lead a program that provides assistance for introductory computer science students through open help sessions and private tutors
- *Lab Assistant and Lecture Assistant* Tutored students in CS104: Computer Gaming and CS150: Data Structures And Algorithms

**EXTRA-
CURRICULAR
ACTIVITIES**

Vice President, Projects Manager Fall 2013 - Present
Associates In Computing Machinery (ACM) @ Lafayette

- Helped found Lafayette College's computing club which provides community support and events for students in computing classes
- Building a project database consisting of the work of Lafayette students

Carbon Committee Chair, Public Relations Spring 2013 - Fall 2014
Lafayette Environmental Awareness and Protection (LEAP)

- Helped promote sustainability on campus by heading the committee focused on reducing the college's carbon footprint
- Promoted the club by designing and producing posters and maintaining a social media presence
- Attended board meetings of other Lafayette environmental clubs and managed communications and collaborations among organizations

Performing and Recording Musician Fall 2009 - Present
Member of The Marquis Consort, Solo Artist, Member of Alternative Rock Band

- Recorded over a dozen original compositions as a guitarist, vocalist, mandolin player, and harmonica player
- Regularly performs original music
- Performs traditional music as a member of the The Marquis Consort, a for-credit Lafayette organization

COURSES

In Computer Science
Introduction To Programming: Computer Gaming, Data Structures and Algorithms, Analysis of Algorithms Computer Organization, Software Engineering, Computer Networks, Computers and Society, Theory of Computing, Artificial Intelligence, Independent Study: Procedural Generation, Programming Languages, Operating Systems, Senior Project

Other Noteworthy Courses
Creative Writing, Digital Circuits I, Calculus I II & III, Early Music Ensemble (6 semesters), Introduction To Logic, Discrete Structures, Mathematical Modeling, Spanish I & II, Statistics, Drawing I