Matthew Ess

Dedicated developer looking for an internship.

Campus - 527 N. Grant St.
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EDUCATION

Purdue University, West Lafayette, IN
B.S. in Computer Science, Minors in Political Science and Psychology

Expected May 2018

4.0 GPA

Central Catholic Senior High School, Lafayette, IN
Academic Honors Diploma

June 2014

4.0 GPA

EXPERIENCE

CS Undergrad Student Board Member, Purdue

April 2015 - Present

Leading initiatives to foster diversity within the Department and improve the lives of students. Formerly organized Help Room for first year programming classes.

CS180 Undergraduate Teaching Assistant, Purdue

January 2015 - Present

Led lab sessions for students working on Java coding assignments. Developed and implemented solutions and automated test cases for student projects.

PROJECTS

Mango — *CS307 Software Engineering (2016)*

Developed frontend AngularJS views and controllers for a course management software suite, meant to combine the functionalities of Blackboard, iClicker, and Piazza.

Shell — *CS252 Systems Programming (2016)*

Implemented an interactive shell/script interpreter in C++ built around yacc and lex. Featured job control, wildcarding, subshell expansion, and command history.

Lock, Stock, and Pebble — *Boilermake (2014)*

Developed a Pebble application as part of a hackathon. Utilized node.js to fetch stock market data via Bloomberg API.

SKILLS

C, Unix programming

Java, JUnit Testing, OOP, Reflection

Data Structures and Algorithms

Source Control, git

Microsoft Windows, OSX, Linux

Leadership and Communication

Familiar with C++, HTML, CSS, Node.js, AngularJS, Ruby, Rails

AWARDS

Presidential Scholarship
Awarded to incoming Purdue freshmen who demonstrate high academic achievement, leadership, and service in the community

Dean's List & Honors
3 consecutive semesters at a 4.0 GPA overall.

Boeing Corporate Scholarship
Awarded to a student nominated by a Purdue CS faculty or staff member for high academic achievement and standing