

Matthew Ess

I'm a student who's passionate about social justice and ethics, as well as solving new and interesting problems. I currently lecture to a class of over 500 students and work on backend development.

EDUCATION

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

Expected May 2018

4.0 GPA

EXPERIENCE

Developer Intern, School Datebooks

June 2016 - Present

Worked on the Core Services team to develop backend PHP and Javascript microservices as part of an educational/athletic scheduling software suite.

CS Undergrad Student Board Member, Purdue

April 2015 - Present

Leading initiatives to foster diversity within the Department and improve the lives of students. Developing and giving lectures for the CS190 "Tools" course. Formerly organized Help Room for first year programming classes.

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.

Sadbot — *Facebook Messenger Bot (2016)*

Contributed to a chatbot meant to add text command functionality to Facebook chats, in a similar style to Slack. Built multiple modules utilizing internal Node APIs, as well as external web APIs. Built an extension for Firebase connectivity to allow backend/database services.

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.

Campus - 2474 Willowbrook Cir.

Home - 3026 Greenbrier Ave.

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(765) 427 - 3763

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SKILLS

C, Unix programming

Java, JUnit Testing, OOP, Reflection

Familiar with C++, HTML, CSS, Node.js, Javascript AngularJS, Ruby, Rails, PHP, SQL, Firebase, NoSQL

Data Structures and Algorithms

Source Control, git

Microsoft Windows, OSX, Linux

Leadership and Communication

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