Maxwell Brown

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Education

2015 - Present **University of Pennsylvania, Philadelphia, PA**
Candidate for B.A. Degree, May 2019, GPA: 3.33/4.00
Majors: Computer Science, History
Courses: Object-Oriented Programming, Functional Programming, Mathematical Foundations of Computer Science, Algorithms and Data Structures, Computer Architecture, Software Development, Automata, Computability, and Complexity, Python, JavaScript

Skills

Languages: Java (proficient), JS/JQuery (proficient), Python (familiar), C (familiar)
Other: React, CSS, HTML5, Bootstrap, Git, Firebase, MongoDB, npm, yarn, Webpack, ESLint
Knowledge: MVC Architecture, Web Design/Development, Functional Programming, Blockchain, Smart Contracts, Android, Agile, Digital Humanities, Teaching CS Fundamentals

Relevant Experience

Sept. 2017 - Present **Penn History Department,** University of Pennsylvania
Web Developer/Consultant
Initially brought on to develop content for Dept.'s page in Drupal, my responsibilities expanded to meeting with Penn Computing, consulting on the website's re-design, and contacting alumni. Helped conceptualize and develop the Dept.'s flagship project (Pathways) over the summer.

Dec. 2017 - Present **CIS110,** University of Pennsylvania
Teaching Assistant
Teach a recitation, grade assignments and hold office hours to help struggling students for Penn's Into to CS course. Promoted from Mentor to TA after good performance last semester.

Projects

Summer 2018 **Penn History Pathways** – Summer Internship
Developed a full-stack JavaScript App that visualizes the History Dept.'s course offerings. Created a tool in React that provides clients with an easy to use UI for adding and removing courses from the database. Made with Bootstrap, JQuery, MongoDB, and other JS libraries

Spring 2018 **WhenToDance** – CIS 350
Developed an Android App with a team that helps student dance groups schedule practices. Practiced Agile with frequent meeting with a PM. I implemented the scheduling algorithm, user registration, the Firebase backend, and took a leading role in conceptualization and design

Spring 2018 **Decentralized Application and Cryptocurrency -** Personal
With no prior blockchain knowledge, I taught myself the basics of dApps and Implemented a cryptocurrency (MaxCoin) smart contract in Solidity on the Ethereum blockchain. Supports user registration, transfers, and wagering MaxCoin on simulated coin flips through a JQuery UI.

Sept. 2017 – Nov. 2017 **Daily Poem Project** – Personal
Web application that emails (40+) subscribers a poem each morning. Emphasized community content by reaching out to Penn's Kelly Writer's House and my network for submissions

Activities

Phi Kappa Psi Fraternity (Pledge Class President, Recording Secretary)
Franklin Libraries (Assistant Librarian – Work Study)
Penn History Review (Junior Editor)