CHLOE SHEEN

Developer, Educator, Student

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EDUCATION

Bryn Mawr College   Bachelor of Arts in Computer Science and Mathematics, May 2019
Relevant Coursework: Theory of Computation, Computational Linguistics, Analysis of Algorithms, Mobile Development, Systems Programming, Speech Synthesis and Recognition, Computer Organization, Abstract Algebra

EXPERIENCE

BSD Code and Design Academy, Instructor [HTML, CSS, JS]   June '18 - Present
· Designed and taught three courses using curriculum for intermediate HTML, CSS, and JavaScript at Hill Top Preparatory School for high school students with learning disabilities.

Haverford College, Research Assistant [Python, C++, Scheme, Perl]   Jan '18 – August '18
· Contributed to the drafting and finalization of lab assignments using Festvox to be incorporated into Professor Jane Chandlee's Speech Synthesis and Recognition (CMSC 208) course.
· Assisted with Professor Chandlee's speech synthesis research at the Speech Research Lab at the Center for Pediatric Auditory and Speech Sciences at the DuPont Hospital for Children.

Lemma, Inc., Senior Software Developer [Python]   Jun '17 - Sep '17
· Developed an open-source library (https://github.com/lemmalearning/Easy-Figures) to more efficiently create commonly used charts and figures in math modules and corresponding practice problems.
· Implemented Agile development in a startup environment and served as the scrum master.

TechGirlz, Instructor at Bryn Mawr College [HTML, Java]   Oct '16 - Jan '17
· Led a workshop for middle school girls interested in coding, particularly in HTML and CSS.
· Organized a web design workshop for the Tri-College Consortium (Bryn Mawr, Haverford, Swarthmore).

Andrew W. Mellon Foundation, Digital Project Manager [HTML]   May '16 - Aug '16
· Received funding from U.S. Department of Education (FIPSE grant) to redesign MyOpenMath tutorials using HTML to be integrated into college-level Calculus, Physics and Chemistry courses.
· Organized documentation to detail logistics and to streamline implementation of new web-design and video editing software in classes.

PROJECTS

Rahul Kotak Foundation
· Developed an Android application to provide real-time updates on attendance data in multiple schools in the slums of to cook appropriate amounts of githeri each day
· Fully integrated into the organization, significantly reducing waste; the organization has been able to lower the cost of feeding each student to just $3 per month.

Prusa Mendel 3-D Printer (Engineers & Makers)
· Held weekly sessions to build a physical 3D printer, led monthly workshops to learn SolidWorks, and incorporated LAMP servers into our project in order to facilitate use of device from overseas.