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Laura Eckman

leckman.me
github.com/leckman

EDUCATION

Massachusetts Institute of Technology (MIT) – Cambridge, MA **Class of 2018**
Bachelor of Science, Department of Electrical Engineering and Computer Science **GPA: 4.7/5.0**
Relevant Courses:
Design & Analysis of Algorithms, User Interface Design, Artificial Intelligence, Computation Structures

EXPERIENCE

Factual – Los Angeles, CA **Summer 2017**
Full Stack Software Engineering Intern
- Redesigned and implemented factual.com/contact landing page and forms to improve user experience and increase site conversion rate
- Designed, implemented, and open-sourced `Patchwork`, a tool to help developers dynamically keep track of open source dependencies used in their code

PurlPal.com – Cambridge, MA **Spring 2017**
Final Project, 6.835 – Multimodal User Interaction
- Designed and prototyped tool to automatically track knitters' progress through a pattern using speech and natural gesture recognition

Lingua – Cambridge, MA **Fall 2016**
Final Project, 6.170 – Software Studio
- Designed front end interface for multi-language chat web application (lingua.leckman.me) with 3 teammates
- Implemented back end user management, authorization, and authentication in Node.js with MongoDB

Ab Initio Software – Lexington, MA **Summer 2016**
Software Engineering Intern
- Designed and developed a UI component library to ensure a uniform user experience
- Facilitated company-wide upgrade to modern web technology, including HTML5 and various front end tools such as Typescript and KendoUI

TakeCare Caregiver Platform – Cambridge, MA **Spring 2016**
Final Project, 6.813 – User Interface Design
- Designed, prototyped, and implemented a novel interface efficiently and securely connecting caregivers with parents, guardians, and medical professionals
- Presented final product to industry professionals for evaluation

Seager Exoplanets Group (MIT) – Cambridge, MA **Summer 2015**
Data Engineering Intern
- Developed a process to identify circumstellar disks around stars using existing telescope image data
- Quantized data for features of interest on data sets of thousands of targets with 10-15 images each
- Wrote, maintained, and documented open source Python module (`exocode`)

SKILLS

• Python	• Java	• Ruby/Rails	• Linux	• JavaScript	• Matlab
• TypeScript	• Git	• React/Redux	• LaTeX	• Vue.js	• HTML/CSS

LEADERSHIP AND ACTIVITIES

SPLASH Teacher, *MIT Educational Studies Program* **2014-Present**
- Created lesson plans and taught 300+ high school students about memory malleability
- Course was chosen from over 60 humanities classes to be featured on online learning platform SplashX

Alpha Epsilon Phi, *2017 Chapter President* **2014-Present**
- Led all chapter meetings and activities, served as a liaison between the chapter and administrators
- Maintained prompt and efficient contact with involved parties, including the national organization