

Andrew Eccles

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EDUCATION

Cornell University – B.A. Information Science – May 2017

EXPERIENCE

Web Developer – Cornell Institute for Healthy Futures (CIHF)

February 2016 – May 2017

- Conducted daily maintenance on a site visited by many healthcare and wellness organizations.
- Revised WordPress' templates with custom CSS styling.

Teaching Assistant – Cornell University (Data-Driven Web Applications)

January 2017 – May 2017

- Assisted in hands-on lectures on D3.js for a class of 290 students.
- Held weekly office hours to help students with work relating to data visualization using the D3.js library.

PROJECTS

Various Graphics Interfaces – Team of 2; Java, three.js, WebGL

- Used Java to develop a mesh generation and processing utility.
- Used Java to handle ray generation/intersection and render scenes from OBJ files.
- Used WebGL/three.js to implement shading methods and reflection for OBJ files.

Prototype Chalk Printer – Team of 3; Arduino, 3D-printing, prototyping

- Used 3D-printing and laser cutting to build body of printer.
- Used Arduino to communicate with motors and servos to operate printer.

Bigfoot Sightings – Team of 3; HTML/CSS; d3.js

- Cleaned large data files to pinpoint location of Bigfoot sightings across the U.S.
- Used D3 to compare findings with data about weather, population, etc., to spot correlations.

SKILLS

Daily Use: HTML/CSS, d3.js, JavaScript, Adobe Photoshop/After Effects

Proficiency: Java, Autodesk Inventor, 3D-Printing

Experience With: SQL, Arduino, WebGL, three.js, Python, OCaml

Currently Learning: React.js, Node.js

RELEVANT COURSEWORK

Software Development: Intro to Computer Graphics; Object-Oriented Programming & Data Structures; Data Structures & Functional Programming

Web Development: Intermediate Design and Programming for the Web; Data-Driven Web Pages

Product Development: Intro to Rapid Prototyping & Physical Computing; Human-Computer Interaction Design