OLIVIA SCHLEPPHORST

olivia.schlep@gmail.com | (978) 888 7564
https://www.linkedin.com/in/olivia-schlepphorst | https://github.com/oschlepphorst

WORK EXPERIENCE

Desktop Metal, Burlington, MA
Software Developer, Jan. 2019-June 2019
- Improved the accuracy of the 3D production printer PLC simulation using TypeScript and React
- Automated HTML reports of printer data using R which allowed the processing team to effectively troubleshoot printers

Digital Lumens, Boston, MA
Software Quality Assurance Engineer, Jan. 2018-June 2018
- Developed automated functional and regression test applications in Python integrated in a Selenium framework for web apps, mobile apps, Commissioner software, and proprietary firmware
- Supported a continuous development environment, and worked closely with developers to specify requirements for an intelligent lighting product line

ERT, Charlestown, MA
Software Quality Test Engineer, Jan. 2017-Aug. 2017
- Coordinated issue resolution for clinical trial software releases with international team of software developers
- Increased testing efficiency by developing automated tests using Python and Robot
- Serviced IT and SQL query requests for the company user database

EDUCATION

Northeastern University B.S. in Computer Science and Mathematics, May 2020
Relevant Courses: Computer Graphics, Algorithms and Data, Object-Oriented Design, Foundations of Data Science, Database Design, Theory of Computation, Group Theory, Number Theory, Real/Numerical Analysis, Differential Geometry, Fundamentals of Computer Science Research

COMPUTER KNOWLEDGE

Languages: *Proficient*: Python, Java, TypeScript, SQL, R, HTML/CSS, Bash, Scheme
                Familiar: JavaScript, C#, Go
Frameworks: React, Flask, Selenium, Robot, Django, NumPy, Scikit Learn, Pandas, Scipy
Tools/Other: Git, MySQL, PostgreSQL, Jenkins, Jama, Squish, WebGL, agile software development

PROJECTS

Personal Webpage (current independent project – oliviaschlepphorst.com)
- React web application written in HTML/CSS, sourced with GitHub, and deployed with Netlify

Breast Cancer Data Science Project (assignment)
- Data science report analyzing breast cancer treatability and mortality in the US states
- Scraped data, performed data wrangling, and applied/trained 3 ML algorithms to create an optimized model

Music Editor (assignment)
- Designed an MVC pattern to build a MIDI-based visual "music editing" app
- Used Java Swing and Java MIDI libraries, git for version control, and built for Object Oriented Design CS 3500

VOLUNTEERING

TechTogether Boston, Boston MA (Mar. 2019 and Feb. 2020 events)
Operations Team Chair, Oct. 2018-Jan 2020
- Coordinated 50 workshops with corporate sponsors for the largest all female and non-binary hackathon in Boston (2020)
- Organized travel accommodations for 250+ students from 5 different locations (2019 and 2020)