Matthew B. Connelly

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GitHub: github.com/mattConn
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Education

The City University of New York, College of Staten Island, Staten Island, NY
Bachelor of Science in Computer Science-Mathematics
Expected graduation: Spring 2020

The City University of New York, College of Staten Island, Staten Island, NY
Bachelor of Science in Communications: Concentration in Digital Design
Graduated Spring 2016

Employment

Web Developer
The Charles NYC
January 2016 - March 2017

- · Lead website development on client projects with client-facing CMS
- · Developed with JavaScript, HTML5, and CSS3 to create feature-rich, mobile-first websites
- · Implemented frameworks and libraries such as GreenSock, jQuery, and ScrollMagic
- · Used Gulp for task-automation, as well as pre-processors such as Jade and SASS

Projects

Independent Study
The City University of New York, College of Staten Island, Staten Island, NY
August 2018 - Present

- · Study mathematical proofs and formulae used for calculating Pi to arbitrarily high precision
- · Program in C and Julia to implement spigot algorithms and the Bailey-Borwein-Plouffe algorithm for calculating positionally high digits of Pi
- · Research and optimize other methods of calculating Pi

Skills

- · C/C++, JavaScript, Python, Julia, CSS3, HTML5
- · Operating systems: Ubuntu, MacOS, Debian, Windows