

Wiley Corning

wileycorning.com

(239)-281-4137

wileycorning@gmail.com

Education

New College of Florida, Sarasota, FL

- BA, Mathematics and Computer Science (*June 2016*)
- Senior thesis: **Topology of Neural Networks**

Selected coursework:

<i>Software Development</i>	<i>Computer Networks</i>	<i>Distributed Computing</i>
<i>Object-Oriented Design</i>	<i>Database Systems</i>	<i>Image Processing</i>
<i>Data Mining</i>	<i>Machine Learning</i>	<i>Real Analysis</i>
<i>Abstract Algebra</i>		

Professional Skills

- Fluent in mathematical concepts and logical proof
- Comfortable documenting my work and presenting to others
- Experienced with Linux operating systems
- Well-versed in software development best practices
- Experienced with version-control systems such as Git

Programming Languages

Java	SQL	Python
JavaScript	R	Matlab
Bash	C#	C

Work Experience

Onsite Search Analyst at Bealls Florida (*Summer 2015*)

- Debugged and fixed longstanding issues with product search engine in a proprietary e-commerce system.
- Collaborated with businesspeople, other developers, offshore resources and third-party vendors.
- Went from project inception through implementation, QA, and deployment in less than two months.
- Presented my results and wrote comprehensive documentation.

Student Researcher at Mind Research Network (*Summer 2014*)

- Researched biomarkers of mild traumatic brain injury in college athletes.
- Created a software pipeline using Bash, Python and MATLAB to perform model fitting on a dataset of hundreds of diffusion MRI images.
- Derived statistical measures to detect anomalies in model parameters.

Student Researcher at Mind Research Network (*Summer 2013*)

- Studied diffusion MRI models of water motion in the brain.
- Researched and extended the implementation of these models in MATLAB code.
- Compared and tested these models on both real and synthetic data.