John McElvenny

Education

2015–2018 **Computer Science B.S.**, *Clemson University*, Clemson, SC, *GPA - 4.00*.
Calhoun Honors College - Expected Graduation: May 2018

2013-2015 **High School**, *Governor's School for Science & Math*, Hartsville, SC, *GPA - 4.61*.
Attended accelerated residential high school focused in STEM education.

Experience

Summer 2016 **Software Engineering Intern**, *Bank of America*, Charlotte, NC.
Bank of America's internship program provides rising software engineers an opportunity to work with world class technology in a fast paced enterprise environment. Workload is comparable to that of a full time Bank of America employee.
- Developed a connectivity framework for the Apple Watch Mobile Banking Application
- Worked directly with testers to resolve defects, meet deadlines, and review code
- Successfully delivered project into production ahead of schedule
- Received highest level of performance review, Exceeds Expectations

Summer 2015 **Research Intern**, *Clemson University*, Clemson, SC.
Clemson University's EUREKA! Summer research program provides professional 5-week research opportunities for Honors College students in their fields. Research locations included Clemson University's ICAR, Materials Lab, and Magnetism Research Lab.
- Worked alongside professional researchers in autonomous vehicle control
- Developed an ultra-efficient driving algorithm for virtual racing simulator TORCS

Summer 2014 **Software Engineering Intern**, *Fraunhofer IESE*, Kaiserslautern, Germany.
Fraunhofer Institute for Experimental Software Engineering develops innovative methods and solutions for complex information systems and embedded systems. The IESE is recognized worldwide for its methods and processes for industrial software and systems design based on empirical evidence.
- Worked as an intern developing applications for Google Glass
- Integrated the Google Glass hardware with a user friendly interface with Snapchat
- Presented results for Fraunhofer Board of Directors and key division leaders

Projects

PyServ Minimalistic HTTP server written from the ground up in python. Added ability to dynamically serve webpages generated from python scripts as well as python webpages.

SnapGlass Snapchat client for Google Glass. Used a third party Snapchat API and the Glass Development kit (GDK) to enable Glass users to communicate with their peers on smartphones using Snapchat.

McElvenny.net Self hosted personal web site using Apache, e-mail using Dovecot and Postfix, databases using MySQL, and administration panel using Webmin.

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