Zachary Sorensen McNellis
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QUALIFICATIONS SUMMARY

Software Developer and Engineering Manager at Shipt since 2018. Master's in Computer Science (Graphics), May 2016. Bachelor's in Computer Science, Clemson Honors College 4.0 GPA in 3 years. I specialize in growth engineering to bridge the gap between front-end software design and customer acquisition. Most of all, I enjoy collaborating with experts to acquire new skills and striving to impact meaningful change for businesses.

EDUCATION

Clemson University — May 2016
MS Computer Science (Graphics & Visualization Concentration)
- GPA 4.00

Calhoun Honors College, Clemson University — 2012-2015 (3 years)
BS Computer Science (Combined Bachelor's/Master's Program)
- GPA 4.00, *Summa Cum Laude*
- Faculty Scholarship Award (highest GPA in dept. of computer science)

WORK EXPERIENCE

Shipt, San Francisco, CA (previously Birmingham, AL) — 2018-present
Engineering Manager, Growth & Marketing Technology (1 year)
Software Engineer, Front-end (1.5 years)
- Managed a small team of front-end developers to architect and rebuild the marketing WordPress site using Gatsby, NextJS, React, and Netlify CMS
- Helped build and maintain the customer signup app, switching from a Angular/Rails app to a single page React/Redux architecture hosted on AWS
- Worked with the product and marketing teams to lead numerous A/B tests in order to help acquire/activate new users, from dynamic promotions to design overhauls
- Led the front-end implementation of our internal experimentation platform

CGI (formerly CTS), Birmingham, AL — 2016-2018
Software Developer
- Developed API microservices for tracking renewable energy assets
- Created a React app for insurance adjusters to create/sign electronic documents

Lincs, Charleston, SC — 2015
Software Developer Intern

Scientific Research Corporation, Charleston, SC — Summer 2013, 2014
Software Developer Intern

TEACHING

Clemson University, Clemson, SC — 2015-2016
Graduate Teaching Assistant
- 2D Game Engine Construction (CPSC 4160/6160)
- OO Software Development with C++ (CPSC 8700)
- Taught and mentored graduate and undergraduate students

RESEARCH

- Z. McNellis, B. Malloy. "Construction of a Generic Program Representation for Automated Metric Computation" — 2016
- Z. McNellis, S. Remy. "Evolving Networked Controllers at Scale in the Presence of Noise" — 2015

TECHNOLOGIES

JavaScript, React, Redux, HTML/CSS, C++, C#, Node.js, Ruby