

MICHAEL ORSCHELN

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SKILLS

Proficiencies: C++/C, Assembly, Javascript/Typescript, HTML, CSS, Java, Git, MATLAB/Simulink, Electrical Design (Cadence OrCAD, KiCad), Circuit/Power Analysis, Microcontrollers
Microsoft Office (Word, Excel, PowerPoint, Outlook), Adobe Photoshop,

Frameworks: React, Chakra-UI, NextJS, TailwindCSS

Languages: English, Spanish

OS: MacOS, iOS, Windows, Linux, Unix

Other: Agile Software Development, Software Development Life Cycle, Jira, Kanban Board (Trello), GitHub/BitBucket, SSH, PowerShell, US Citizen

EDUCATION

University of Alabama — Tuscaloosa, AL STEM to MBA Program/UA Honors College
Bachelor of Science in Computer Engineering **GPA:** 3.19/4.0
Minors: Mathematics, Computer Science, & Spanish **Expected Graduation:** May 2024
Relevant Coursework: Microcomputers, Digital Logic, Electric Circuits, Electronics, Data Structures & Algorithms, Software Design & Engineering, Theory of Probability, Linear Algebra, Discrete Mathematics
STEM to MBA: Finance, Accounting, Marketing, Operations Management, Global Business, Innovation

PROFESSIONAL EXPERIENCE

SALTO Systems — Oiartzun, Gipuzkoa, Spain
Project Management Intern

- Discovered 3 Apple Wallet® cross functional pain points for project prioritization and communicated the results to the Product Manager
- Built onboarding courses delivered to 64 global business units reducing onboard load by 45%
- Designed Apple partnership status tool for Chief Sales & Marketing Officer
- Collaborated 2 times a week with Apple software and business leads
- Presented 2 project applications in Spanish to SALTO leadership and 22 coworkers

Charter Capital Management, Inc. — Boston, MA
Associate Intern — <https://chartercm.com/>

- Evaluated real estate investment projects using comparative and cash flow analysis. Contributed to 10 acquisitions with total valuation of \$233 million
- Built user-centric, responsive website with analytical tools resulting in a 152% increase in organic search traffic
- Reduced market research workload for residential property acquisitions by 75%

University of Alabama — Tuscaloosa, AL April 2021 - January 2022

Ambassador for College of Engineering (ACE)

- Representative for the University of Alabama's prospective students and families

PROJECT EXPERIENCE

EcoCAR, University of Alabama — Tuscaloosa, AL January 2021 – January 2022

Propulsion Controls & Modeling Team Member — Innovation

- Used MATLAB/Simulink to test and improve energy efficiency in 2019 Chevy Blazer for classification as a 100% electric, level-two autonomous vehicle
- Designed energy consumption plan to test 4 drive cycle variations

ADDITIONAL INFORMATION

Honors: President's List, UA Scholar

Leadership: UA Men's Club Soccer Team Captain

Interests: Soccer, Neuroscience, Music Production, Sigma Phi Epsilon Fraternity