

JOHN M. R. CLAPHAM

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EDUCATION

- **William & Mary** Williamsburg, VA
Doctor of Philosophy in Computer Science; GPA: 3.88 Sept. 2021 – Jan. 2026 [Expected]
Master of Science in Computer Science; GPA: 3.95 Sept. 2021 – Jan. 2023
Bachelor of Science in Computer Science; GPA: 3.27 Sept. 2017 – May 2021

ENTREPRENEURSHIP EXPERIENCE

- **Motion Medix** Williamsburg, VA
Co-Founder July 2024 – Present
 - Co-founded startup focused on wearable technology that detects and treats the symptoms of Parkinson's disease.
 - Secured \$2,000 funding award and was recognized as most engaged venture at W&M Entrepreneurship Hub.
 - Conducted 30 customer interviews as part of Mason I-Corps Regional Course.

ACADEMIC EXPERIENCE

- **William & Mary** Williamsburg, VA
Research Assistant May 2023 – Present
 - Researched ubiquitous and mobile computing for health monitoring and nutrition optimization with a focus on human-movement action localization and measurement on untrimmed time-series data.
 - Created and deployed end-to-end intelligent sensing systems integrating wearable hardware and machine-learning enabled mobile software for real-world use, collecting data from 58 senior individuals via IRB approved studies.
 - Led system design from requirements gathering to testing and maintenance, ensuring alignment with user needs.
 - Conducted usability testing of deployed sensing systems with users, translating insights into design improvements.
 - Took over and maintained inherited software systems from graduating students. Evolved functionality and UX.
 - Published research and presented at conferences. Won best paper twice. Secured NSF and IEEE TCI travel awards.
 - Contributed to grant proposals for securing research funding. Presented proposals to funding committees.
 - Mentored students through debugging and conceptual challenges. Coached strategies for graduate success.
 - Engaged community and audiences to spread research awareness and recruit study participants.
- **William & Mary** Williamsburg, VA
Teaching Assistant Jan. 2023 – May 2023
 - Assisted in CSCI434/534 Network Systems and Design, at both undergraduate and graduate levels.
 - Solved student concerns and technical questions. Defined and graded programming assignments and problem sets.

INDUSTRY WORK EXPERIENCE

- **RingCentral** Belmont, CA
Product Management Intern June 2022 – Sept. 2022
 - Collaborated with designers and engineers to improve Admin UX for Enterprise & SMB UCaaS customers.
 - Owned and drove development of product feature requests from stakeholders. Developed features with design team. Consulted engineers to understand technical challenges. Aided in customer interviews.
 - Created documentation system to aid product management team in tracking product metrics for admin features.
 - Led a team of 7 interns to create an end-to-end product pitch. Presented product to a panel of executives on a live "Shark Tank" style webinar broadcast to the entire company with over 500 participants.

SKILLS

- **Programming:** Java, Python, Git, Linux, macOS, Windows, Android, Virtual Machines, Firebase, L^AT_EX
- **Non-Technical Software:** Miro, Monday, Asana, Trello, Jira, Figma, UCaaS (TEAMS, Outlook, Slack, Zoom, Discord)

INTERESTS

- **Technical:** Ubiquitous & Mobile Computing, Human-Centered Computing, Human-Computer Interaction, AI
- **Misc:** Entrepreneurship, Health, Wellness, Fitness, Hiking, History, Building Custom Computers, Film