JOHN M. R. CLAPHAM

johnnyclapham.github.io

Email: jmclapham@wm.edu
Mobile: +1 (434) 218-9522

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 in order 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, LaTeX
  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