

Kirsten Scheller

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EDUCATION

Cornell University, College of Engineering <i>Bachelor of Science in Electrical and Computer Engineering</i> <ul style="list-style-type: none">Minors: Classical Literature, HistoryGPA: 3.25, Dean's List: Spring 2018 and Fall 2019	May 2021 (Expected) Ithaca, NY
Cornell University, Meinig School of Biomedical Engineering <i>Master of Engineering in Biomedical Engineering</i>	May 2022 (Expected) Ithaca, NY

RELEVANT EXPERIENCE

Molnar Group, Cornell University Department of Electrical Engineering <i>Research Assistant</i> <ul style="list-style-type: none">Investigate electro-chemical noise at the platinum electrode-solution interface at varying ambient light conditionsCharacterized microscale opto-electronically transduced electrodes (MOTEs) for tetherless neural recording, including noise floor, gain, bandwidth, and power supply rejectionBuilt a Python-controlled, automated measurement setup that can simultaneously control voltage sources, a functional generator, and an oscilloscope	May 2019-Present Ithaca, NY
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Cayuga Heights Fire Department <i>Volunteer Firefighter</i> <ul style="list-style-type: none">Assess emergency situations quickly and act appropriately to assist victims and to contain firesCollaborate and communicate effectively with first responders on emergency callsLead and oversee weekly skills classes and department training sessionsRespond to approximately 20 EMS and fire calls per month	2018-Present Ithaca, NY
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Persistent Systems <i>Embedded Software Intern</i>	Cancelled Due to COVID-19 New York, NY
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Ferring Pharmaceuticals <i>Information Technology and Automation Intern</i> <ul style="list-style-type: none">Analyzed and maintained electrical schematics to resolve manufacturing environment issuesImproved real-time monitoring system capable of overlooking 500 utility, production, and packaging devicesSimplified network paths to reduce network traffic between administrative devices and production machines	May - August 2018 Parsippany, NJ
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LEADERSHIP EXPERIENCE

Alpha Omega Epsilon, Professional Engineering Sorority <i>Philanthropy Chair, Cornell University Chapter</i> <ul style="list-style-type: none">Coordinate non-profit philanthropy outreach events to encourage young women to partake in STEM fields	January 2018-Present Ithaca, NY
Cornell University Women's Club Soccer <i>Captain & Former President</i> <ul style="list-style-type: none">Devote 25 hours per week to practice, games, and administration for the nationally competitive club teamOversee \$18K budget as a leading administrator of the entirely student-run organization	August 2017-Present Ithaca, NY

PROJECTS

- Autonomous Maze-Mapping Robot, Wizard's Chess, FRDM Board Pedometer
- Github: <https://github.com/kirstenscheller>

SKILLS

- Programming Languages: Python, Java, MATLAB, Git, Basic C, HTML/CSS
- Hardware: Altium PCB Design, Arduino, FPGA, FRDM Board, Circuit Components, Electrical Test Equipment
- Technical Skills: Adobe InDesign, Adobe Photoshop, Microsoft Office
- Emergency Response: New York State Firefighter, CPR/BLS Certified, HAZMAT Operations