

ECE Graduate Student Research Opportunities

October 5, 2022

Research opportunities with ECE faculty are available! **Please email** the researcher directly for more information or to communicate your interest.

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Ali Bilgin's lab is seeking multiple assistants interested in conducting research in applications of signal processing, image processing, and machine learning to magnetic resonance imaging. A successful candidate will have suitable courses in signal processing, image processing, and machine learning. Previous research experience is of advantage and preference will be given to doctoral students.

Contact: [Ali Bilgin](#)

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The Cloud and Autonomic Computing Lab, directed by Salim Hariri, is seeking students to help to develop the Cybersecurity Lab as a Service (CLaaS) webpage, virtual cybersecurity experiments and improve the website for CLaaS. Expertise in Javascript, React and Redux required.

Contact: [Salim Hariri](#)

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The Cloud and Autonomic Computing Lab, directed by Salim Hariri, is seeking students to help develop an iOS mobile and AI driven app to monitor the movement of patients that can be used to detect early Alzheimer's, Parkinson's, and gait problems. Expertise needed: Javascript, Apple iOS, and Mobile App development for iOS. The opportunity can be hourly support or RA.

Contact: [Salim Hariri](#)

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Assistant needed to detect and recognize objects in infra-red images and develop algorithms for learning new object classes using few training images. A relevant background in the understanding of signal/image processing, machine learning/computer vision and experience with MATLAB and/or Python required. Interested students are encouraged to inquire.

Contact: [Abhijit Mahalanobis](#)

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Opportunity for research for a doctoral level student in the area of surgical robotics/AI/simulation in Jerzy Rozenblit's laboratory.

Contact: [Jerzy Rozenblit](#)

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Seeking Ph.D. students for Salehi research lab.

Contact: [Soheil Salehi](#)

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The Systems and Security Lab, directed by Pratik Satam, is seeking Ph.D. students to conduct research on Cybersecurity, focusing on Cyber Physical Systems Security (Industry 4.0 and Autonomous Vehicles) using Artificial Intelligence. This position includes a Research Assistantship (0.5 RA).

Contact: [Pratik Satam](#)

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