People

Interested in joining the CHARM Lab? Please see this page. We do not currently have any postdoc positions available.

Winter 1913 CHARM Lab Members

Principal Investigator

Allison Okamura

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Postdocs

Ryder Winck

Project: Model-based Haptic Control for Space Robotics
Education:
PhD in Mechanical Engineering,
MS in Mechanical Engineering,
Georgia Tech
BS in Mechanical Engineering,
BA in Visual Arts,
Rice University

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Ilana Nisky

**Project:**
Human-in-the-Loop Telepresence Control for Robot-Assisted Surgery

**Education:**
- PhD in Biomedical Engineering, Stanford University
- MSc in Biomedical Engineering, Ben-Gurion University of the Negev
- BSc in Biomedical Engineering, Ben-Gurion University of the Negev

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Ilana's Webpage

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**MS/PhD Students**

**Andrew Stanley**

**Project:**
Encountered-type Haptic Display for Medical Simulation

**Education:**
- MS in Mechanical Engineering, Stanford University
- BS in Mechanical Engineering, University of Pennsylvania

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**Sam Schorr**

**Project:**
Sensory Substitution in Teleoperation

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Sam's Webpage

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**Sean Sketch**

**Project:**
Haptic Augmentation for Neuroprosthetic Devices

**Education:**
- BSE in Mechanical Engineering, Princeton University

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Zhan Fan Quek

Project: Shear Display with Skin Stretch Devices
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Melisa Orta

Project: Haptics for education.
Education: Coming soon.
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Webpage: Coming Soon.

Kirk Nichols

Project: Haptic Feedback with Teleoperated Surgical Robots
Education: MS in Electrical and Computer Engineering,
BS in Electrical and Computer Engineering,
BS in Applied Mathematics,
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Tania Morimoto

Project: Percutaneous access to the kidney for pediatric patients
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Ann Majewicz

Project:
A Robotic Needle Steering System for Clinical Use

Education:
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BS in Electrical Engineering,
BS in Mechanical Engineering,
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Darrel Deo

Project:
Haptics for Neural Prosthetics

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Nick Colonnese

Project:
Analysis for Haptic Displays

Education:
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Lizmarie Comenencia

Project:
Magnetically Actuated Catheters for the Brain

Education:

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Troy Adebar

Project:
Ultrasound Imaging for Robotic Needle Steering

Education:
MASc in Electrical and Computer Engineering,
BA.Sc in Mechanical Engineering,
University of British Columbia

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Troy's Webpage

Visitors

None currently.

Rotators and Undergraduate Researchers

Modeling of brain vasculature for testing robotic catheters: Manuel Ahumada <mahumada@stanford.edu>,
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KineSys MedSim haptic medical simulation (collaborating with Andrew Stanley): Matt Brown
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Human movement analysis for surgical robotics (collaborating with Ilana Nisky): Yuhang Che
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RAVEN setup (collaborating with Ryder Winck): Clifford Bargar <cbargar@stanford.edu>, Lawrence Kim
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Haptic Realism: Manas Milind Karandikar <manask@stanford.edu>, Zhijie Zhu <zhuzj@stanford.edu>, Diego...