**Brennen Green**

108 Erica Drive

Georgetown, KY 40324

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859-312-0852 (Cell)

**RESEARCH INTERESTS**

Applied Mathematics and Statistics, Computational Climate/Earth Sciences, Image Processing, Modeling and Simulation

**EDUCATION**

**B.S. Computer Engineering**, (Applied Mathematics and Computer Engineering Double Major) May 2023 – University of Kentucky, 3.93 GPA

**PUBLICATIONS**

***Primary Author***

Green, Brennen, et al. *High-Speed Imaging of Cerebral Blood Flow Using Parallel Computing on the Graphics Processing Unit*. Biomedical Engineering Society Annual Meeting, 2020

***Secondary or Tertiary Author***

Mohtasebi, Mehrana, et al. *“Noncontact Optical Assessment of Spontaneous Low-Frequency Fluctuations of Cerebral Blood Flow in Neonatal Intraventricular Hemorrhage”* Society of Photo-Optical Instrumentation Engineers Photonex + Vacuum Expo, 2020.

**CONFERENCE PRESENTATIONS**

2020, Brennen Green, “High Speed Imaging of Cerebral Blood Flow Using Parallel Computing on the Graphics Processing Unit” Biomedical Engineering Society Annual Meeting and Commonwealth Computation Summit, Virtual.

**RESEARCH EXPERIENCE**

Undergraduate Research Assistant, Dr. Guoqiang Yu’s Biomedical Optics Lab, University of Kentucky, March 2020 – October 2020

Undergraduate Lab Assistant, Dr. Yang-Tse Energy, Nanomechanics, and Surfaces Lab, University of Kentucky, October 2019 – February 2020

High School Lab Assistant, Dr. Hunter Moseley’s Bioinformatics Lab, University of Kentucky Markey Cancer Center, August 2018 – December 2018

**INDUSTRY EXPERIENCE**

General Motors – Controller Integration Engineering Intern May 2021 – August 2021

Intel Corporation – Controller Integration Engineering Co-op October 2020 – May 2021

**HONORS / AWARDS**

University of Kentucky College of Engineering Dean’s List (Fall 2019-May2023)

University of Kentucky College of Engineering Scholarship (2020-2021)

**SERVICE TO THE UNIVERSITY**

Computer Science Outreach Chair, Engineering Outreach Board

**MEMBERSHIPS / AFFILIATIONS**

Association of Computing Machinery

Biomedical Engineering Society