Kelvin Chen

Email: ddw4hp@virginia.edu
Website: https://k9chen.github.io

Education

University of Virginia, Charlottesville, VA   2022 – 2026 (Expected)

- B.A., Neuroscience & Cognitive Science

New Horizons Governor's School for Science & Technology, Hampton, VA   2020 – 2022

- Dual Enrollment, Biological Sciences

Woodside High School, Newport News, VA   2018 – 2022

- Advanced Studies Diploma

Academic Interests

Translational neuroscience, nervous system disorders, neural stem cell biology, neuroimaging, applied neuroethics

Research Experience

Barrow Neurological Institute, Phoenix, AZ

- Research Intern, Dortch Lab   Summer 2023
  Dept. of Translational Neuroscience, Advisor: Richard Dortch

UVA School of Medicine, Charlottesville, VA

- Undergraduate Researcher, Zhu Lab   2022 – 2023
  Dept. of Pharmacology, Advisor: Julius Zhu

Hampton University, Hampton, VA

- Research Intern, Njoki Lab   2021 – 2022
  Dept. of Chemistry & Biochemistry, Advisor: Peter Njoki

Publications

Editorials

4. Chen, K. *On the Psychological Disembodiment of Autonomy and Agency in Patients with Brain-Computer Interface Implants.* Grounds: The Virginia Journal of Bioethics, 2023. [HTML]

3. Chen, K. *Moral Status in Cerebral Organoids, Gastruloids, and Chimeras.* Grounds: The Virginia Journal of Bioethics, 2023. [HTML]

2. Chen, K. *The Inadvertent Consequences of Scanning the Human Brain.* Grounds: The Virginia Journal of Bioethics, 2023. [HTML]

1. Chen, K. *Towards a Brave New World: The Huxleyan Reality of Using Pharmacological Neuroenhancement.* Grounds: The Virginia Journal of Bioethics, 2023. [HTML]

Presentations

Poster

1. Chen, K., Dortch, R.D., Sadrabadi, M.S. *A Pathologically Realistic Spherical Mean Technique-Based Computational Model for Assaying Axonal Volume Fraction in Injured Peripheral Nerves.* Barrow Neurological Institute REU Symposium, 2023. [PDF]

[1] Updated July 30, 2023

Teaching Experience

University of Virginia, Charlottesville, VA

- Teaching Assistant, CHEM 1811: Principles of Chemical Structure Lab (Accelerated)   Fall 2023

Awards & Grants

- Echols Scholarship, UVA   2023 – 2026
- University Achievement Award Scholarship, UVA   2022 – 2026
- Distinguished Research Mentorship Award, NHGSST   2022
- Valedictorian, WOHS   2022

Service & Outreach

- Editor, Grounds: The Virginia Journal of Bioethics   2023 – Present
- Senior Translator, The Cavalier Daily   2023 – Present
- Copy Editor, The Oculus: The Virginia Journal of Undergraduate Research   2022 – Present
- Investigator, University Judiciary Committee   2022 – Present
- Senior Associate, The Blossom Together Association   2022 – Present
- Medical Services Volunteer, Madison House   2022 – Present

Affiliations

- Undergraduate Research Network   2022 – Present

Skills

Programming

- MATLAB, R

Languages

- English, Mandarin