California

Private

charliesievers@cox.net

https://charlessievers.github.io

PROGRAMMING LANGUAGES

- Python
- C
- MPI
- Kotlin
- Tensorflow
- C++
- Bash
- Swift
- Fortran

CHARLES SIEVERS

SKILLS

- Concurrent Computing
- Array-Oriented
- Leadership
- Scientific Computing
- GitHub Workflow
- Linux Administration
- Software Maintenance
- Verbal Communication
- Mathematics

PROGRAMMING EXPERIENCE

- Contribution to two large public repos: LAMMPs and ASE.
- Maintenance of in-house code ESKM
- Object Oriented Tutorial for incoming graduate students

EDUCATION

Ph.D. Chemistry: Theoretical Computational Physical Chemistry (expected June 2020)

University of California, Davis (Davis, CA)
Advanced to Candidacy (March 2018)
Graduate Advisor: Davide Donadio
Overall GPA: 3.91

B.S. Chemistry (June 2015)
Minor in Physics

California Polytechnic State University, San Luis Obispo (San Luis Obispo, CA)

RESEARCH EXPERIENCE

Publications

Muñoz Rojo, M., Li, Z., Sievers, C., Bornstein, A., Yalon, E., Deshmukh, S., Vaziri, S., Myung-Ho, B., Xiong, F., Donadio, D., Pop, E. Thermal Transport Across Graphene Step Junctions. *2D Materials*, 6, 011005 (2019)

Research Assistant, Chemistry Program, University of California, Davis (2016-Present)

- Studied heat transport phenomenon in low dimensional materials
- Studied GHz impedance of gold nanoparticle lattices
- Investigated thermal management applications to nanoelectronics and nanomaterials