Ian Christie

iankchristie@gmail.com

Software Engineer & Researcher with expertise in scientific computing, machine learning, and application development. Passionate about leveraging technology for advancing earth sciences, with hands-on experience in geospatial AI and satellite data processing.

Experienced - Python | Pytorch | Scientific Computing | Cloud Computing | Ruby on Rails | Kotlin | Java | Mobile & Web Apps
Familiar - TorchGeo | Machine Learning | Geospatial Statistics | SLURM | Distributed Computing | C++ | Linux | Matlab | TypeScript
| ReactJS | NodeJS | GCP | AWS | Terraform | Docker | gRPC | MapReduce | Bluetooth (Classic/Low Energy) | Relational Databases

Experience

Felicity AI
Jun 2025 - Aug 2025

Lead Applied AI Engineer (Contract)**,** *New York, NY*
- Built AI Infrastructure. Integrated Langfuse for AI prompt management, experimentation, tracing, and evaluation
- Implemented mission critical features including browser recording feature, AI browser automations, AI Chat

GreenPortfolio
Mar 2024 - May 2025

Lead Software Engineer (Part Time While Studying)**,** *Remote*
- Head of team of 3 + intern in tech stack development and made decisions with a strong emphasis on extensibility and security

Block Inc.
Oct 2017 - Apr 2023

Software Engineer L5, *San Francisco, CA*
- Founding engineer for Appointments Android App (4.7 Stars & 500K downloads) and Square Go (4.9 Stars, 80K+ ratings).
- DRI for multiple projects including Calendar UI, Covid response features, Database minimization, GDPR compliance
- Team player: participated in Oncall, conducted 150+ interviews, planned 3 team offsites, internally presented on accessibility and synchronization protocols, hackathon winner, onboarded and mentored 4 junior engineers.

Google Inc.
Sept 2016 - Sept 2017

Software Engineer, *Mountain View, CA*
- Developed bluetooth features in the Android Chrome Browser and offline features in the iOS Youtube App to provide a better experience for emerging market users.

Dr. Stephen Van Hooser Neuroscience Laboratory
Feb 2013 - May 2016

Computational Modeler and Analyst, *Brandeis University, Waltham, MA*
- Headed project to research directional selective cortical computational model.

Projects

- **GeoClimb**: An AI model that uses satellite imagery, topography, and geologic data to predict climbing areas in the US.
- **Omhward:** Transformer model that predicts power outages from weather forecast data
- **ASM:** Remote Sensing Research into Artisanal Small Scale Mining trends in Subsaharan Africa
- **Wildfire Risk:** Machine Learning investigation into built environment wildfire risk assessment with the EarthLab
- Google Scholar: www.scholar.iankchristie.com
- Blog: www.restdays.iankchristie.com

Education

University of Colorado Boulder
Aug 2024 -

Research Masters of Science in Computer Science, GPA: 4.0
Relevant Classes
Geospatial Stats & Machine Learning | Computer Vision | Independent Study | Machine Learning | Deep Learning | AI for Good | HPC

Brandeis University
Aug 2012 - May 2016

Undergraduate Summa Cum Laude BS in Neuroscience & BS in Computer Science with Highest Honors, GPA: 3.97
Relevant Classes
Advanced Java & C | Data Structures | Theory of Computation | Database Management Systems | Operating Systems | Discrete Mathematics | Linear Algebra | Computational Neuroscience | Algorithms | Scientific Data Processing | Data Analysis
Awards
Lerman-Neubauer Fellowship | Brandeis Academic Achievement Award | Undergraduate and Graduate Traineeship in Computational Neuroscience | Max Chretien Award in Computer Science | Division of Science Prize for Outstanding Research Accomplishment | Dean's List, 2012-2016 | Phi Beta Kappa | Highest Honors in Neuroscience