Morgan Bryant

Berkeley, CA

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Software Developer seeking opportunity to use my skills for positive impact

KEY STRENGTHS

AI Engineering • Front-End Development • Scientific Research • Startup Development

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

Python, JavaScript, TypeScript, C, C++, R, MATLAB, SQL

WEB DEVELOPMENT

React, Node.js, HTML/CSS, REST APIs

DATA SCIENCE & ML

TensorFlow, Keras, NumPy, Scikit-learn, Jupyter, CNN, LSTM, Transformer, GAN, Deep Q-Learning

DEVELOPMENT TOOLS

Git, Docker, AWS, Unix/Bash, LaTeX

MATHEMATICS

Statistics, Analysis, Linear Algebra, Optimization, Algorithms, Complexity Theory

LABORATORY SKILLS

PCR, Electrophoresis, Centrifuge, Titration, Chemical Safety

CERTIFICATIONS

Research with Human Subjects (IRB), 2017-2019

INTERESTS

Travis-style Acoustic Guitar

PROFESSIONAL EXPERIENCE

Anomaly Informatics

2019 - Present

- Develop websites and backend interfaces for angel-stage fintech & edtech companies
- Build comprehensive test tools, data processing pipelines, and database architectures
- Provide debugging and optimization services across full-stack applications

Bit By Bit Academy — Tutor/Curriculum Designer

2021

- Tutored high school and college students in mathematics, science, and programming
- Co-designed neural networks curriculum specifically tailored for high school students

Parallel Distributed Processing Lab, Stanford — Research Member

2017 - 2019

- Conducted scientific research in artificial intelligence, neural networks, and cognitive psychology
- Designed, implemented, tested, and trained 30+ deep machine learning models
- Specialized in attention models and reinforcement learning hybrid architectures
- Built data pipelines, experimental websites, AI models, and statistical analysis tools
- Collaborated on research publications, conducted paper reviews, and presented findings regularly
- Maintained lab infrastructure including server monitoring and system administration

Magic Leap — Computer Vision Intern

2016

- Calibrated 7-degree robot arms for device accuracy testing using C++ statistical packages

Trove — Machine Learning Intern

2015

- Applied clustering machine learning algorithms for data discovery in news aggregator articles

EDUCATION

Master's Degree, Symbolic Systems (Coterminal)

Stanford University • 2019

Thesis: "Frames of Reference for Neural Pathfinding Navigation" (2017)
Advisors: J. McClelland, A. Lampinen

Bachelor of Science, Computer Science

Stanford University • 2019