

# George WP Horrell

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## CONTACT INFORMATION

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## EXPERIENCE

### **Apple**, San Francisco, CA

*Software Engineer*

**Oct 2023 -**

- SWE on the Machine Learning Platform & Intelligence team.
- Building the language model platform used by Apple engineers.

### **Betteromics**, Redwood City, CA

*Senior Software Engineer*

**Apr 2022 - Oct 2023**

- Focus on back-end services written in Python and hosted on AWS.
- Implemented a scalable and performant OCR service on top of Kafka and K8s.
- Implemented automated tagging of key snippets within OCR-produced transcripts.
- Validated performance of open-source LLMs on EC2-GPU instances.
- Built a GPT-backed chat interface to assist human curation of unstructured data.
- Implemented doc search and structured prompt pipeline with patterns based on LangChain.

### **GRAIL**, Menlo Park, CA

*Senior Software Engineer*

**Aug 2019 - Apr 2022**

- Built resilient distributed systems for processing petabytes of bio-informatics data in Go.
- Architected multiple features for Reflow (a file-oriented workflow engine and language).
- Lead development of an internal service that packages and releases data pipelines.

### **Airbnb**, San Francisco, CA

*Software Engineering Intern*

**Jun 2018 - Sep 2018**

- Interned on the performance infrastructure team.
- Developed tooling to detect and alert teams to latency regressions on micro-service endpoints.

### **Axon**, Seattle, WA

*Software Engineering Intern*

**Jul 2017 - Sep 2017**

- Focused on full-stack development, gaining proficiency in React, Redux, and Scala.
- Developed a web-view visualization showcasing time and device-sensitive information.

### **Stanford University**, Stanford, CA

*CS198 Section Leader*

**Dec 2016 – Jun 2019**

- Taught basic proficiency in algorithms, data structures, and complexity analysis.
- Graded exams and assignments, held office hours, and encouraged extension work.
- Instructed students in Java and C++.

## EDUCATION

### **Stanford University**, Stanford, CA

*B.Sc., Computer Science (Artificial Intelligence)*

**Sep 2015 – Jun 2019**

- Graduated in the undergraduate class of 2019, 3.8 GPA.
- Researched inter-cellular transport with the Yang Lab.
- Researched hardware accelerated DNA sequence alignment with the Bejerano Lab.

## SKILLS

*Technologies:* Golang, MySQL, PostgreSQL, Protocol Buffers, Python, Terraform, AWS, Kubernetes  
*Paradigms:* Embeddings Search, Prompt Engineering, Infrastructure as Code, Microservices