

# Anna J. Li

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## EDUCATION

### Harvard University

Ph.D in Computer Science, Artificial Intelligence

GPA 4.0  
Expected 2025

### University of California, Berkeley

B.A. in Applied Mathematics, Minor in History

GPA 3.7

*Dean's Honors*

*2019 EECS Department Outstanding Graduate Student Instructor*

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## TECHNICAL EXPERIENCE

**Technical Lead - Software Development Engineer II**, Amazon.com

2018 - 2020

- **Technical Consultation:** held strong working knowledge of technical ecosystem of entire organization, performed system walk-through for external team members, and proposed process improvements
- **Leadership:** coordinated with product, business, quality assurance, and other engineering teams internationally to deliver milestones; hired, mentored, and supported engineers across the organization
- **Architecture Design:** created, reviewed, and approved of high-level designs for new and existing systems
- **Development:** executed scrum and kanban processes, developed across backend, mobile app, mobile web, and desktop platforms, and averaged 30,000 lines of code per year, 1.2 revisions per code review

## RESEARCH OUTCOMES

- **Automatic Hyperparameter Selection for Kernel Methods:** Explored state of the art methods for hyperparameter selection: Marginal Likelihood Maximization, Bayesian Optimization, Bayesian Hierarchical Models with Hamiltonian Monte Carlo
- **Gaussian Process Approximation:** Compared the performance of four types of increasingly-adapted bases methods for kernel approximations on Boston housing prices dataset

## SELECTED PROJECTS

- **Whole Foods Market 2-hour Delivery on Amazon.com;** developed customizable navigation components, QR code, and cart features for Amazon's official mobile shopping application (Technology Used: Java, Kotlin, Objective-C, JavaScript, HTML, CSS)
- **AmazonFresh as a Core Prime Benefit;** implemented an incremental ingress on Amazon.com's main navigation bar for Prime customers (Technology Used: Java, JavaScript, HTML, CSS)
- **Brand Specific Cart Count Endpoint on Amazon API;** designed secure cart count endpoint that accounts for proper scaling and dynamically adjusts for new brand onboarding (Technology Used: Java)

## SKILLS

- **Technologies:** Amazon Web Services (AWS), Amazon API, Git, IntelliJ, Numpy, PyMC3, Xcode, React Native, Java, Python, Objective-C, JavaScript, HTML, CSS, Kotlin, Spring Framework, Lombok
- **Languages:** Fluent in Mandarin Chinese, Conversational in Spanish, Conversational in Korean

References Available Upon Request