Junhao Dong

SOFTWARE ENGINEER

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Education

Northeastern University   *Boston, MA*
BACHELOR OF SCIENCE IN COMPUTER SCIENCE, GPA: 3.5/4.0   *May 2019*
- **University of Hong Kong**, Hong Kong, China — *Semester Abroad Fall 2018*
- **Aquincum Institute of Technology**, Budapest, Hungary — *Semester Abroad Fall 2017*

Skills

Languages   Python, Java, JavaScript, Ruby, C, Hack, Scheme
Frameworks   Django, Chef, React, Angular, AWS, Docker, GraphQL, Flask

Experience

Facebook   *Menlo Park, CA*
SOFTWARE ENGINEER   *July 2019 - PRESENT*
- placeholder

Toast   *Boston, MA*
SOFTWARE ENGINEER INTERN (PART TIME)   *Feb. 2019 - Apr. 2019*
- placeholder

Drizly   *Boston, MA*
SOFTWARE ENGINEER INTERN   *May. 2018 - Aug. 2018*
- Implemented a re-designed onboarding flow for new retailer customers, improving the onboarding process for account managers and customers with automated Salesforce integration.

Facebook   *Menlo Park, CA*
SOFTWARE ENGINEER INTERN   *Jan. 2018 - Apr. 2018*
- Helped migrate the Instagram Django web server to perform parallel IO operations and handle concurrent requests within each worker process to reduce latency and increase capacity as the web framework scales with users, servers, and developers.
- Created a framework to safely predict the performance and correctness of server worker processes handling concurrent requests from a production environment. Preemptively caught and fixed regressions related to increased cpu instructions, caching, and global state contamination

Toast   *Boston, MA*
SOFTWARE ENGINEER INTERN   *Jan. 2017 - Aug. 2017*
- Built a microservice, database schema, and related web pages to manage customer accounts — 50,000+ created within the first two months.
- Designed and helped implement a second microservice as a month-long architecture refactor to reduce technical debt and build the infrastructure for upcoming payment features.
- Enhanced the audit tool to query real-time data from restaurants' Android devices, proactively resolving customers' configuration bugs.

CSTUY Hacking Sessions   *New York, NY*
PROGRAMMING MENTOR, TA   *Sept. 2014 - Mar. 2015*
- Taught programming concepts to high school students using Java and Processing while providing input for lesson plans and project ideas.

Projects

Shellfish
- A command line interface based on the Unix Bash shell, written in C.
- Supports EOF (Ctrl-D) and SIGINT (Ctrl-C), multiple commands per line, and chained redirection and piping.

Zero Robotics
- Semifinalist out of 200 teams in MIT's international high school programming competition in C.
- Implemented 3D vector physics and game strategy for an autonomous satellite simulation using the ZR API.