James Baker

902 Lambeth Circle APT 307
Durham, NC 27705

james.baker@duke.edu
(914) 602-4775

7 Myrtledale Road
Scarsdale, NY 10583

EDUCATION

Duke University School of Law, Durham, NC
Juris Doctor expected, May 2025
Activities: Technology Society 1L Representative
Honors: Duke Law Merit Scholarship

University of Pennsylvania, Philadelphia, PA
Master of Science in Computer Science, May 2022, *magna cum laude*
Teaching: CIS 350 (Head Graduate Instructor), CIS 557

University of Michigan, Ann Arbor, MI
Bachelor of Arts in Asian Studies, Selected Coursework in Computer Science, *with Honors*, May 2020
Thesis: *Deteriorating Hegemony: A Power Struggle in the South China Sea*
Study Abroad: Peking University, Beijing, China, Summer 2016

EXPERIENCE

Google, Mountain View, CA
Summer Researcher, May 2022 - August 2022; May 2021 - August 2021
- Designed, engineered, and deployed high performance name recognition algorithm.
- Improved recall and precision by ~10% while maintaining low latency at 100m+ weekly queries.
- Explored innovative natural language AI heuristics for semi structured search improvement.
- Co-wrote internal academic research paper on multi-modal deep learning language models.

Software Engineering Intern, May 2020 - August 2020; May 2019 - August 2019
- Investigated, designed, and successfully engineered a production quality Retail Search product.
- Awarded guaranteed return offer reserved for company-wide top performing interns.
- Successfully solely designed and engineered an improved, exabyte scale database infrastructure.
- Improved search-time latency by ~75% and storage disk usage by ~50%.

Suggestion Box, Palo Alto, CA
Technical Lead, January 2017 - April 2020
- Launched funded B2B startup that helped organizations crowdsource feedback from employees.
- Successfully deployed software offering at multiple nation-wide companies.
- Led 3 software engineers to create the #1 Suggestion Box app on the iOS application store.

Match Group (Tinder), Palo Alto, CA
Software Engineering Intern, May 2018 - September 2018; September 2017 - January 2018
- Investigated innovative heuristics that increased female Swipe Right Rate by 5%.
- Successfully assisted in developing Gold, Tinder's largest, most profitable update of the year.
- Reorganized software bug tracking workflows to decrease the iOS application crash rate to 0.01%.

ADDITIONAL INFORMATION

Full Professional Proficiency in Mandarin. 2014 recipient of language scholarship for one year abroad in Shanghai, China. Interned with U.N. (Summer 2015). Former varsity golf player.