

Eph Tech

4 E. SPRING ST. UNIT 2, NEW YORK, NY 60511

+1 (201) 945- 0000 | EPH.TECH@WILLIAMS.EDU (GITHUB ADDRESS)

EDUCATION

Williams College, Williamstown, MA | GPA: 3.96 June 2020

Bachelor of Arts in Computer Science and Chinese; concentration in Science and Technology Studies

Coursework: Java Programming, Data Structures, Computer Organization, Algorithms, Models of Computation, Software Methods, Artificial Intelligence, Ethics of AI, Governance of AI in China, Discrete Math, Statistics

Honors: Phi Beta Kappa, Clare Booth Luce Scholar, Linen Grant for Study in Asia

TECHNICAL SKILLS

Programming Languages: Java, C, TypeScript, SQL, Scala (proficient) | R, JavaScript, Ruby, ARM Assembly, x86 Assembly, Lisp, SML (working knowledge)

Tools: Node, React, Git, UNIX, LaTeX, Tableau, Google Cloud Dataprep, AWS, Rails, Mocha, Webdriver, ThoughtSpot

Other: Advanced Chinese proficiency, Wilderness First Responder certification

SELECTED PROJECTS

ExperiMan Fall 2019 - Spring 2020

- Tool working to address the replication crisis in the social sciences by allowing researchers to crowdsource experiments
- Designed and implemented support for surveys and easy-to-use DSL on top of AutoMan platform

SWELL (Swell Williams Entry-Level Language) Summer 2018

- Designed and implemented language featuring ProDirect Manipulation as a programming teaching tool
- Focused primarily on evaluator, abstract syntax tree structure, and UI elements; paper accepted to SPLASH-E 2019

ARM Emulator Fall 2017

- Designed and implemented an x86 Assembly program to emulate programs written in ARM Assembly

SOFTWARE EXPERIENCE

Berkeley Existential Risk Initiative, Berkeley/Oxford, *Research Assistant* Sept 2019 - present

- Research in collaboration with the Centre for the Governance of AI, Future of Humanity Institute (University of Oxford)
- Perform literature reviews, data collection, and analysis for GovAI research projects

Braintech, Boston, MA, *Security Intern* June 2019 - Aug 2019

- Implemented hardware two-factor authentication in merchant portal; collaborated on security and code reviews
- Deployed container security tool and created containerization best practices documentation for organizational adoption

University of Oxford, Oxford, UK, *Computer Science Student Ambassador* Oct 2018 - June 2019

- Taught hands-on workshops to promote computer science careers to underrepresented groups in secondary school

Beam Suntory, Chicago, IL, *IT Intern* Aug 2018 - Sept 2018

- Collaborated on project converting production dataflows to SQL, increasing efficiency

Williams College, Williamstown, MA, *WARP Lab Research Intern* June 2018 - Aug 2018

- Designed and implemented a new language to support ProDirect Manipulation as a Clare Booth Luce Scholar

Williams College *Computer Science Student Advisory Committee* Sept 2017 - June 2018

- Organized events such as hackathons to foster collaboration and inclusivity in the department
- Curated and led hands-on educational activities for students looking to expand their computer science skills

LEADERSHIP EXPERIENCE

The Wellness Advocacy Group, *Treasurer* Jan 2017- present

Williams College Climbing Team, *Captain/President (2020)* Sept 2016 - 2020