

MAX TROMANHAUSER

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max.troman.haus

EDUCATION

Brown University Providence, RI
Master of Science in Computer Science Expected May 2024

University of Pennsylvania Philadelphia, PA
Bachelor of Science in Engineering in Computer Science May 2016
Cumulative GPA: 3.22 / 4.00

Relevant Courses: Advanced Topics in Algorithms and Complexity, Introduction to Networks & Security, Internet & Web Systems, Computer Operating Systems, Introduction to Artificial Intelligence

PROFESSIONAL EXPERIENCE

Flatiron Health New York, NY
Senior Software Engineer, Clinical Research Jan 2020 – Present

- Conducted Prospective Clinico-Genomic (PCG) study with cross-functional team
- Developed system for sending data quality inquiries to study practices
- Managed an intern as a direct report through a 12 week project

Software Engineer, Real World Evidence Dec 2017 – Dec 2019

- Collaborated in a highly cross-functional team to deliver 11 research projects
- Built data pipelines to create oncological research datasets
- Designed and implemented tools to automated team processes

Microsoft Redmond, WA
Software Engineer, Azure Active Directory Sept 2016 – Oct 2017

- Refactored reporting features in Active Directory's UI for performance and usability
- Updated the reporting service deployment system and deployed to sovereign clouds
- Maintained data pipeline that processes billions of events per month

Computer and Information Science Department, University of Pennsylvania Philadelphia, PA
Head Teaching Assistant, Introduction to Computer Programming May 2015 – May 2016

- Hired and managed staff of 60 teaching assistants
- Planned and led weekly staff meetings and training sessions
- Wrote recitation plans and homework assignments

Teaching Assistant, Introduction to Computer Programming Sept 2013 – May 2016
Teaching Assistant, JavaScript Jan 2015 – May 2015

- Taught weekly recitation of 20 students
- Graded student homework and exams
- Held office hours to assist students

RESEARCH

Vanderwalde, A., Lu, M., Maund, S., Huntley, M., Incerti, D., Fine, A., Tolba, K., Jin, D., Bourla, A., Sondhi, A., **Tromanhauser, M.**, Daniel, D., Tilford, J., Mcfarlane, J., Lakhanpal, S., Oxnard, G., Schulze, K. (2021). **P10.14 ctDNA and Real-World Response (rwR) in Patients With Lung Cancer From A Prospective Real-World Clinico-Genomic (PCG) Study.** Journal of Thoracic Oncology, 16(10), S1005. doi:10.1016/j.jtho.2021.08.319

Foster, R. B., **Tromanhauser, M.**, Gayer, C., Gonzales, P. K., Maignan, K., Opong, A. S., Torres A. Z., Carson, K. R. (2019). **Approximating International Myeloma Working Group Uniform Response Criteria to Derive Response for Multiple Myeloma (MM) Patients Using Data from Electronic Health Records (EHR).** Blood, 134(Supplement_1), 4727–4727. doi:10.1182/blood-2019-127181