Yos Wagenmans

yos@mit.edu | 425-405-0043 | LinkedIn | Cambridge, MA| Github

EDUCATION

Massachusetts Institute of Technology (MIT)   **Expected May 2024**

Candidate for Bachelor's of Science in Computer Science (CS)

- **Relevant Coursework:** Machine Learning*, Data Structures and Algorithms, Interconnected Embedded Systems*, Linear Algebra, Computational Structures, Management Communication, Discrete Mathematics for Computer Science, Linguistics*, Fundamentals of Programming. (In Progress*)
- **Squash |** MIT Varsity Athlete | former top 20 nationally ranked player

SKILLS/LANGUAGES

Languages: Dutch (Fluent), Japanese (Fluent), English (Fluent), Spanish(elementary)

Skills: Python, Java, Swift, C++, Javascript, HTML, CSS, RISC-V assembly, SQL, Git, APIs

EXPERIENCE

Allm: Mobile medical communications company   **Jun 2021 - Sep 2021**

Software Engineering Intern (Swift)

- Designed and programmed iOS app integrating ECG device with Join app using Zoll API
- Reduction in time by 50% for paramedic to transfer Cardiology data to a hospital specialist
- Led project from ideation to distribution, communicated with software/business teams in Japan and Argentina

MIT Computer Science and Artificial Intelligence Laboratory (CSAIL)   **Jan 2021 - Mar 2021**

Undergraduate Researcher at Haystack Group: Human-computer Interaction (HTML/JS/CSS)

- Debugged open-source web development tool Mavo, founded by PhD Candidate Lea Verou
- Updated google-sheets plugin backend storage, identified and fixed several user issues

NLPcore: New visual search platform using ML, NLP   **Mar - Jun 2020, Jun - Sep 2019**

Software Engineering Intern (Python/Javascript)

- Developed Python/Javascript web application for node-based interactive network visualizer using d3.js and pyvis libraries and implemented a back-end dataFrame management program
- Submitted to Kaggle COVID-19 Open Research Challenge with professors and researchers from University of Washington, wrote report and helped create presentation for international biology conference(ISMB 2020)
- Achieved over 96% precision rate using keywords such as "transmission" and "diagnosis" when compared to results from LitCovid (curate repository of COVID-19 literature)

PROJECTS

ML Image Classifier (2021): Trained neural network model using Tensorflow and Keras to learn mapping between images of hand signs as inputs and their meaning as a label

Symbolic Algebra(2021): Wolfram alpha-inspired derivative and arithmetic operation solver

Checkers Online (2019): Built interactive Javascript-based web application for remote 2-player checkers game hosted on local server, Created a bot with 80%+ win rate

LEADERSHIP/ACTIVITIES

MIT Consulting Group   **Sep 2021 - Present**

10xBeta Case team lead, Consultant, Client Sourcing Committee

- Directing team of 5 analysts to meet deliverable deadlines for developing commercialization strategy, researching market segmentation, etc. for biotech startup client.
- Sourced and negotiated 5+ clients each with $5,000 contracts for consulting projects
- Formulated report about multi-variable model for quantitative angel investing for VC CEO.

MIT Phi Delta Theta Fraternity   *Sep 2021 - Present*

Treasurer, Summer President, Executive Committee, Judicial Committee

- Managing $300,000 annual active budget, administration of the house and the fraternity, and disciplinary actions