Akasha Philip Strub

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Experience

Data Scientist, Digital Health   Sep. 2022 (ongoing)
Novo Nordisk (pharmaceuticals), Denmark
- Ideated & communicated internal 'dhtools' R package to streamline ways of working department-wide.
- Mentored three new hires through onboarding, ideation of introductory projects, and execution of these.
- Applied machine learning algorithms to improve data quality and drive RWE generation.

Data Science Graduate Program   Sep. 2020 (2 years)
Novo Nordisk (pharmaceuticals), Switzerland & Denmark
- The graduate program is a two-year talent and leadership development program consisting of three eight-month rotations.

Rotation 3: Data Scientist in Digital Health Partnerships & Strategy
- Developed Digital Health EHR Integration Strategy, achieving full endorsement from senior management.
- Designed & rolled out Medical Devices Post-Market Surveillance dashboard company-wide.

Rotation 2: Data Scientist in Global Medical Affairs Rare Diseases
- Managed key primary data collection initiative in new therapy area laising with both internal teams and external stakeholders (vendor, KOLs & patient advocates).
- Designed & created Rare Disease dashboard exploring 14 therapy areas across 6 in-licensed databases.

Rotation 1: Data Scientist in Advanced Analytics
- Translated stakeholder needs from Business Development, Market Access, Trial Operations & GEPA into tangible analytics plans.
- Executed & communicated statistical analyses & results to varied audiences.

Data Science Intern   Jul. 2019 (8 weeks)
Orbital Systems (tech start-up), Sweden
- Proposed & achieved endorsement on project regarding a tailor-made savings rate forecast for clients.
- Created predictive model in Python estimating a shower session's recirculation rate based on real users' data.

Data Science Intern   Jul. 2018 (6 weeks)
itim Ltd. (retail consultancy), U.K.
- Conducted research on how promotions affect sales of seemingly unrelated products (halo & cannibalisation).
- Created new demand forecasting models to improve sales prediction accuracy by more than 3%.

Education

Master of Engineering (MEng)   2016 - 2020
University of Oxford, U.K.
- Graduated with a First Class degree with Honours.
- Specialised in Information Engineering. Key modules: Statistics, Data Science, Causal Inference.
- Selected by HSBC to be their Scholar throughout my degree and represent them at company events.
- Activities & Societies: Oxford Cycling Club, St John's College Football Club.

A Levels & GCSEs   2001 - 2016
The New School Rome, Italy
- Voted as representative to the Academic Council where I introduced students' proposals to the teachers board.
- *A Levels*: Maths A*, Further Maths A*, Physics A*, Italian A; *AS Levels*: Biology A; *GCSEs*: 7 A*, 2A.
- Activities & Societies: Football Varsity Team, Scuba Diving, Model United Nations.

Volunteering

Student Volunteer   Jul. 2013
WaterAid, Italy
- Raised sufficient funds for Water Aid to build two wells in Africa.
- Collaborated with other students by setting up stands selling books, DVDs, CDs, etc.