

Strong: Javascript, Git, HTML5/CSS3, React, React Native, Redux, Express, MongoDB, Docker, Stata, FP, OOP
Experienced: Typescript, Python, Angular, Koa, SQL, TravisCI, Socket.io, Alteryx, Tableau, VBA, Access, \LaTeX

Experience

Consultant | Bain & Company Munich, Germany | **2016 - 2019**

- Promoted to Senior Associate Consultant in 09.2017 and to Consultant in 12.2018
- Leveraged panel data econometrics on performance data to inform business decisions impacting 250+ technical service teams at a major telco, contributing to ~80% improved adherence to customer appointments
- Built request filtering tool for account managers reducing weekly prioritisation time from ~5 hours to <5 minutes
- Led 2 client team members in building a new reporting tool automating the work of ~5 FTE including requirements capture, development and deployment on company servers
- Gave regular lectures on using Alteryx & Tableau as the lead trainer for analytics tools at Bain Germany

Emergency Medical Technician | Austrian Armed Forces Ried, Austria | **2016**

- Designed new database for processing medical records saving the team ~10 hours weekly
- Completed training as an Emergency Medical Technician with highest possible distinction

Summer Consultant | Oliver Wyman London, UK | **2015**

Summer Analyst | Compass Lexecon London, UK | **2014**

Summer Analyst | Frontier Economics Cologne, Germany | **2013**

Student Economist | Government Economic Service London, UK | **2012**

Projects

Vault | Multi-currency, offline-first expense tracking app for iOS and Android London, UK | **2019**

- Designed, architected and built entire app from the ground up, incorporating feedback from potential users
- Implemented entity-based Redux store to enable use of a pseudo-relational database on device
- Leveraged Dropbox API to provide automated backups of expense data as a unique selling point for the app

BarQ | Real-time order management system for bars and pubs London, UK | **2019**

- Led team of 5 developers with a focus on developing real-time and back end components
- Designed MVP architecture involving 3 front ends (customer, staff, manager) and built entire app from scratch
- Leveraged containerization using Docker to enable seamless collaboration between front and back end teams

Storeo | Open source e-commerce toolkit for building online storefronts London, UK | **2019**

- Leveraged containerization to reduce developer ramp-up time from ~1 day to <5 minutes
- Refactored original monolith to a microservice architecture to increase modularity and testability
- Initiated continuous integration by increasing test coverage and introducing automated TravisCI builds

BondAlgo | Trading signal detector Munich, Germany | **2018**

- Leveraged concurrency and web scraping to monitor prices of 4000+ assets on the Stuttgart Stock Exchange
- Deployed and achieved ~5% ROI over 6 months using a low-frequency investment strategy

Otrish Pipe Calculator | Mobile-first web-app for simplified pricing of steel pipes Braunau, Austria | **2017**

- Currently position 3 on Google searches for "rohrrechner" (pipe calculator) in Germany and Austria
- Decreased time to complete a proposal for Otrish customers by ~90% from ~3 hours to <15 minutes

Education

London School of Economics | MSc Economics, Merit (69%) London, UK | **2014 – 2015**

- Distinction for MSc thesis involving automated collection & scraping of gasoline price data over 6 months
- GMAT: 770 (Q51, V44) - 99th percentile

University of Warwick | BSc Economics, First Class (78%) Coventry, UK | **2010 – 2014**

- Invited to present BSc thesis in Financial Econometrics at *International Conference of Undergraduate Research*
- Ranked 6th of 211 students

Yew Chung International School | IB, 43/45 (99th percentile) Shanghai, China | **2008 – 2010**

Awards, Languages & Interests

Awards: Deutsche Bank Prize, Warwick Economics Department Prize, Cambridge Best GCSE in China Prize

Languages: fluent German, English & Italian; conversational French, Spanish & Mandarin (HSK 3 in 2010)

Interests: investing (managing own portfolio since 2014), skiing (regularly for 20 years), MOOCs