

Keerthanen Ravichandran

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Work Experience

- Associate- Software Engineer – J.P. Morgan** **Sept 2019-Present**
- Hybrid role managing the development of features and tools for the Equities Nexus Markets Platform used by 100s of external clients, with the long-term initiative of automating manual processes
 - Working with structuring, middle office and trading to make decisions on internal tools to enable allocation restriction checks on tradeable indices, reducing operational risk and improving user experience
 - Led full-stack development in Python, AngularJs and Java Spring framework to automate rebalances, provide insight into strategies and source sanction list for restricted tickers, reducing process from 3hrs to 5 mins a day
 - Previous teams: Rates and Equities Marketdata adding new fixed income products and migrating to Athena
- Co-Founder – [alphatechcamp.com](https://www.alphatechcamp.com)** **Oct 2019-Oct 2020**
- First entrepreneurial venture, starting company with guidance from Imperial Enterprise Labs to successfully deliver 6-month course to teach 15 children aged 12-15 coding through providing education web app
 - Utilised business canvas, analysed competition and conducted A/B testing, as well as designed marketing material leading to 40% more sign ups and ran classes in Harrow community centre
- Summer Technology Analyst - Citi Bank** **Jun 2018-Sept 2018**
- Working in Rates eTrading production support, handling incident requests and developing a monitoring system to find problems in pricing and distribution streams using Grails framework
- Founder- [whatisapm.com](https://www.whatisapm.com)** **Nov 2021-Present**
- Developing website to explore product management and provide insightful articles to provide an understanding how to apply product model to their organisation
- Program Lead – Imperial College London Codelab** **Apr 2017-Feb 2020**
- Coordinated weekly programming sessions and summer camp sponsored by Yoox-Net-A-Porter for over 200 students teaching Python, Javascript and HTML in groups of 50 for students aged 5-15
- Technology Spring Intern - Goldman Sachs** **Apr 2018**
- Gained an insight into how technology is applied in investment bank and effect of regulations, compliance and security and work shadowing in a variety of departments including FICC, Equities and ETO

Education

- Imperial College London - Electronics and Information Engineering BEng** **Oct 2016-Jun 2019**
- (Upper Second Class hon.s.) Modules: Machine Learning (77%), User-Centered System (81%) FPGAs (61%)
 - ML Project: Utilised Keras to develop neural network to predict robot arm location with 3 motor input

Volunteering/ Leadership Experience

- JPM Code For Good-Autistica** **Sept 2019-Jun 2020**
- Working in a team of 8 engineers for an autism charity Autistica to improve job experience tracker, updating website in WordPress and utilising jQuery to extend customisations to provide better user experience
 - Utilised design thinking to find and build features to allow autistic users to reduce sensory overload and improve ease of use resulting in increase of user retention by 60% compared to last year
- Innovation Stream- J.P Morgan** **Apr 2021-Present**
- Working in team of 16, to deliver weekly JPM talks from external speakers, support global hackathons and innovation weeks with workshops attended by over 500 employees globally
- Vice President Technology- Imperial College Finance Society** **April 2018- Present**
- Organised tech workshop, in a team of 8, attended by over 40 students and aided the promotion of investment bank, hedge fund and private equity talks through updating WordPress website
- PixelJam- UCL Hackathon** **Oct 2017**
- Designed a mixed reality game using Unity within 24 hours in a team of 3, in and coordinating timelines for features in short time span and designing visual aesthetics of the game- achieved technical prize.

Skills, Activities & Interests

Courses:

- AWS Certified Solution Architect – (currently in progress)

Activities:

- Open source- Athens Research- learning Clojure to contribute Y-combinator funded networked thought tool
- Imperial Young Professional- organising talks for undergraduates to learn about careers paths into technology

Programming Language and Technical skills:

- Python (Proficient), Javascript (Proficient), Java (Intermediate), AngularJS (Beginner), ReactJs (Intermediate), SQL (Beginner), Figma (Beginner) Agile (Beginner) Pandas(Beginner)