ERIC PORTELA

STUDENT B.SC. COMPUTER SCIENCE & ENGINEERING (LTH, YEAR 2)

WORK EXPERIENCE

2022-09 - 2022-12

Teaching assistant at the department of Computer Science
Lunds Tekniska Högskola, LTH

- TA in the course *Programing in Java* (EDAA10) at LTH.
- Primarily supporting students in their laboratory work, verifying their solutions and home assignments.
- Course focuses on the basics of object-oriented programming, fundamental data structures, search algorithms (e.g. insertion and selection sort), and more.
- Course manager: Nazila Hasanzade (nazila.hasanzade@cs.lth.se)

2020-02 - 2020-09

Quantitative Analyst
LINC

- Involved in a project through the student-driven organization LINC.
- Project assigned by a Swedish Currency Fund in order to analyse the reversal chart patterns double tops and double bottoms.
- Designed and programmed an algorithm in Python, detecting reversal chart patterns in currency-pairs (EUR/USD) and traded these based on predetermined strategies using historical data.
- The strategies' results were analysed and a project report was written.

2019-02 - 2021-06

In-house substitute teacher
Internationella Engelska Skolan

- Substitute teacher in several subjects, from grade 4-9.
- Long-term substitute in mathematics for two classes each in 4th and 6th grade, during the last 6 months.

2019-01 - 2020-02

Board member
Unga Aktiesparare (Volunteer work)

- Planning and creating publicly listed company visits, networking events, handling social media content, etc.

EDUCATION

2021 - 2024

B.Sc. Computer Science & Engineering
Lunds Tekniska Högskola

2016 - 2019

Gymnasieexamen Naturvetenskapsprogrammet (inr. natur)
Procivitas Lund

PROJECTS (SPARE TIME)

2019-12 - today

iOS App (Swift)
Finalytica

- Developing an iOS app for equity research to be used as a screening and research tool.
- Provides with quantitative data for american publicly listed companies (at NYSE and NASDAQ).
- Written in Swift. Frameworks and libraries such as UIKit, Charts, Firebase and Lottie were used. Data delivered through a Rest API (FinancialModellingPrep).

PERSONAL INFORMATION

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github.com/EricPortela

SKILLS (TECHNICAL)

- Swift (UIKit/SwiftUI)
- Java
- Python (Django)
- Git
- Z shell
- MySQL
- Firebase
- REST API Consumtion
- Web Scraping
- HTML5/CSS3/SCSS
- UI Design in Sketch
- VS Code, XCode & Eclipse

LANGUAGES

Swedish (Native)

Spanish (Native)

Russian (Native)

English

URL to project
(GitHub Repo)

RELEVANT COURSES

2023-01 - 2023-05

EDAF20 - Database technology
LTH, Lunds Tekniska Högskola

- Currently enrolled in the course.
- ECTS Credits: 7.5
- Covers description of information systems with ER-models and UML-notation, translation to relational DB's, SQL, semistructured data, etc.
- Assesment is based on laboratory work and one final exam.

EDAF20 Overview

2021-10 - today

CS50 - Web Programming with Python & JavaScript
HarvardX (Harvard University edX)

- Currently enrolled in the course.
- Course covers design and implementation of web apps with Python, JavaScript, SQL, HTML and CSS. Git using terminal and frameworks such as Django, React and Bootstrap will be taught.

CS50 Overview

2021-08 - 2022-01

EDAA10 - Programming in Java
LTH, Lunds Tekniska Högskola

- Final Grade: Pass with distinction (5)
- ECTS Credits: 7.5
- Course covered implementation of algorithms to solve several intermediate problems, implementation of Java classes given a specification, structuring programs with classes and methods, etc.
- Course included 13 compulsory labs and one final exam.
- Find out more at: https://kurser.lth.se/lot/course-syllabus-en/21_22/EDAA10

EDAA10 Overview

2021-08 - 2022-03

FMAA50 - Calculus
LTH, Lunds Tekniska Högskola

- Final Grade: Pass with distinction (5)
- ECTS Credits: 13.5
- Course covered one-dimensional calculus (algebraic computations, functions, complex numbers and polynomials, limits, differential equations, derivatives, local extreme values, optimization, primitive functions, integrals, Taylor- and Maclaurinformulae, etc.)
- Find out more at: https://kurser.lth.se/lot/course-syllabus-en/22_23/FMAA50

FMAA50 Overview

REFERENCES

Given upon request.