

Tudor-Adrian Nazarie

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EDUCATION

Imperial College

MEng in Computing (Artificial Intelligence)

Sep 2018–Present

- Currently in fourth year of study
- Expected to finish in June 2022

Tudor Vianu National High School of Computer Science

Secondary school student

2014–2018

- Romanian Bacalaureat Diploma with 9.61 GPA out of 10
 - Grade 2 in STEP I Mathematics
 - Graduated with 9.26 GPA out of 10
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WORK EXPERIENCE

Qube Research & Technologies

Quantitative Technologist

Apr 2021–Sep 2021

- Developed, implemented, and packaged an automated test harness to aid in **low latency testing**, based on a server-worker architecture, using **Python** and **React (Typescript)**.
- Developed a console based application for monitoring cache usage and misses on a per-core and per-process basis for Intel processors, using **C++** and official Intel APIs.
- Maintained constant communication with both the trading team as well as the technical team to develop and test new ideas, aiming to increase performance of low latency trading algorithms deployed on **Red Hat**-based Linux operating systems
- Observed and interacted with a modern, cutting edge, low latency trading pipeline in its entirety

Netcraft

Computer Scientist

Jul 2019–Oct 2020

- Maintained and extended Netcraft's **anti-phishing** takedown solution, gaining practical **Perl** experience, website **security scanning** solution (Perl), and anti-phishing **Android application**, using **Java** and modern Android application development tools, over the course of three internships
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PRE-COLLEGE EXPERIENCE

HaikuOS

- Ported numerous programs and libraries from Linux to **HaikuOS**
- Integrated the ported software with the HaikuOS package manager (HaikuDepot)

Technical Committee Member, Romanian Master of Informatics

2015, 2016 and 2017

- Administered a network of Linux servers used to host and facilitate the event

Technical Committee Chairman, info(1) Cup

2017 and 2018

- Implemented extensive functionality to core software used in the event
 - Administered a network of Linux servers used to host and facilitate the event
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AWARDS

- **Google Code-In** 2016, Finalist
 - **NASA Ames Space Settlement Design Contest** 2016, 2015, Second Prize and First Prize respectively as part of team Zora, acting as Research and Communications Officer
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SKILLS

Programming Languages

- Confident with **Java/Kotlin** and **Python**, previous experience with **JavaScript/TypeScript**, **C**, **PHP**, **Haskell**, **Perl**, **SQL**
- Confident with common markup languages such as **HTML**, **CSS**, **LaTeX**, etc.
- Able to learn new languages and technologies rapidly and effectively, in order to quickly adapt to new requirements

Technical Skills

- **Software Development** — Able to write high-quality code, using appropriate languages, libraries, frameworks and algorithms and debug, maintain and build upon existing code
- **Linux**
 - Have experience using and maintaining **Red Hat**-like distributions (e.g. **CentOS**, **Rocky Linux**), including writing **RPM** specfiles to facilitate reproducible software installations
 - Confident in using the command line, scripting, using traditional development tools such as Git, administering networks of servers

Languages

- Native **Romanian**
- Fluent **English** (CAE C2)