


Theo Kinder

 github.com/Theoryia
 theokinder.com
 linkedin.com/in/theokinder
 theoekinder@gmail.com

ABOUT ME

As a recent software engineering graduate from the University of Portsmouth, I have not only developed a passion for solving clients' problems but also the practical skills to do so. My education has equipped me to develop modern client applications and hone my requirements-gathering skills. Currently, I am applying these skills to a series of personal projects aimed at solving everyday inconveniences, while also learning new technologies and techniques.

EDUCATION

University of Portsmouth	2021 - 2024
<i>BSc Software Engineering</i>	<i>2:1 (69%)</i>
Woking College	2019 - 2021
<i>A-Level Statistics, A-Level Computer Science, BTEC Engineering</i>	

RELEVANT MODULES AND ACHIEVEMENTS

Modules: Data Structures & Algorithms, Internet of Things, Data Analytics and Visualisation, Data Mining and Machine Learning, Usability, Hacking for MoD (Common Mission Project UK), Network, Computer Architecture and Operations

Achievements: Hacking for MoD (Shortlisted and Nominated: Outstanding Solution Idea)

PROJECTS

- TimeGuide** | *Typescript, Python, TensorFlow, PostgreSQL, APIs, AWS, Linux, Git, VS Code, Datagrip* July – Present
- Developing the TimeGuide application to forecast users of (Long Short-Term Memory) on the popular flight simulator network VATSIM.
 - Built from scratch, this application has required a complex understanding of APIs and Cloud Services
 - Learnt how to apply cloud services to my first personal project whilst balancing the risk, capability, and performance
 - Applied forecasting to a complex dataset using ARIMA, then replaced for LSTM
- Distillery Metrics Dashboard** | *R, Shiny, R Studio, Plotly, MS Excel, Python, Pandas* May 2023 – June 2024
- Developed a full-stack web dashboard for a company that leads the way in modernising the monitoring of maturing spirits
 - Worked under a project manager to outline the requirements of the dashboard and work in an agile (scrum) methodology
 - The client will take the dashboard forward in Q4 of 2024 to be a flagship application of the software package
- Companium** | *JS, Express, HTML, CSS, PostgreSQL, Git, VSCode* September 2022 – July 2023
- Developed a web application companion idle game in a team setting, focusing on the team operations whilst working in an agile environment and using GitHub
 - Awarded 81% for the well-documented design of the application throughout its development.
- Smart-er Alarm** | *Arduino, C, Python, CV2, Linux, MQTT, Raspberry Pi* December 2023 – May 2024
- Developed an Alarm clock that used a variety of technologies to wake a person and check if they are awake, the main requirement being that it is inexorable.
 - Majority of technologies used for this project learned in a short period before development

SKILLS

Languages: Python, JavaScript/TypeScript, HTML/CSS, R, \LaTeX

Tools: Git, VS Code, PyCharm, Datagrip, Jupyter, Docker, AWS, MS Azure, Tableau

Frameworks: React (Next.js), Node.js, Flask

Libraries: pandas, NumPy, Matplotlib, TensorFlow, Scikit-Learn, OpenCV, PyTorch, Seaborn

EXPERIENCE

Hack Pompey | *Participant*

Yearly (March)

Annual Participant of the Hack Pompey Coding Competition

Hacking4MoD | *Team Member*

September 2023 – July 2024

Working in a team of 5 to advise the DIO (Defense Infrastructure Organisation) on assessing and proposing a solution for a provided problem statement.

- Arranging communications with personnel across the MoD and external organisations to gather problem-related contextual information.
- Delivering a report outlining the proposed solution, the structure of the solution and the strategy for implementation, along with the benefits and reasoning behind the proposal.
- Presenting the solution to senior DIO members and other interested parties, for their understanding and onboarding of the proposal.
- Solution implemented as of May 2024.

EMPLOYEMENT

Oxfam | *Volunteer*

September 2017 – January 2018

McDonalds | *Crew Member*

October 2019 – February 2023

Exhibited excellent customer service skills by consistently delivering friendly and personalised interactions, resulting in positive customer feedback.

Sainsburys | *Online Assistant*

July 2024 – Present

HOBBIES

Flight Simulation and Aviation

I loved learning about aviation from a young age. From then till now, I've learned the systems and operations of countless real aircraft in a professional setting. My TimeGuide application is a contribution to this community.

PC Building and Microcontrollers

In my life I have built several computers, and I am always up to date with the PC component market, In university I began to use microcontrollers to solve everyday inconveniences.