

Kacper Agatowski

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[GitHub](#)

[Portfolio Page](#)

[LinkedIn](#)

Full Clean Drivers Licence

Profile:

- Final-year Creative Computing student (Predicted 1:1), eager to pursue a role in frontend or backend development.
- Passionate about building scalable and modern web applications which focus on structured code and seamless user experiences.
- Skilled in API development, database management, and cloud technologies, with hands-on experience in full-stack development.
- A problem-solver who thrives on challenges, continuous learning and stepping outside my comfort zone to expand technical expertise.

Languages:

- English: Fluent
- Polish: Native

Education:

09.2021 – 05.2025

Institute of Art, Design, and Technology | iadt.ie

BSc (Hons) Computing

Modules: Web Development & Design, JavaScript & PHP Programming, Database Management and SQL, User Experience (UX) Design, Mobile Computing and App Development, Operating Systems, Object-Oriented Programming, Cloud Computing and Networking, Data Visualisation, Artificial Intelligence, Interactive Graphics.

Final year project: Developed an automated scheduling application to help businesses simplify employee scheduling. I implemented Constraint Satisfaction Problem (CSP) solvers to efficiently assign shifts to employees while respecting constraints such as availability, preferences and work hours. Features included: shift creation, employee management, availability tracking, weekly report PDF, live updates using WebSocket's, and automated scheduling.

Technologies used: FastAPI (Python), React (JS), CSP algorithms, MySQL, AWS, ShadCN, and Tailwind CSS.

Third year project: Developed a competitive gaming platform to fill the gap in the Call of Duty scene after the closure of Gamebattles. Built the application in a team of two, collaborating closely with a fellow student to implement required features and designs. Features included: team management, match searching and pairing teams based on skill level, displayed users' statistics and rankings and integrated a discord bot for match communication.

Technologies used: Laravel (PHP), React (JS), MongoDB, AWS, Daisy UI, Tailwind CSS and Heroku.

Final Year Result: 1.1 (predicted)

3rd year result: 1:1

2nd year result: 2:1

1st year result: 1:1

Full projects available on Portfolio Page

09.2014 - 06.2020:

Newpark Comprehensive School, Dublin

Leaving Certificate

Technology Skills:

Programming Languages:

- JavaScript: Development of front-end and back-end applications using modern frameworks and tools.
- Python: Data analysis with Pandas and Matplotlib, machine learning with Scikit-Learn, and API development with FastAPI.
- PHP: Full-stack application and API development using Laravel.
- SQL/MySQL: Database management, relational database design, and query optimization.
- C++: Implemented object-oriented programming principles, created classes with inheritance, polymorphism, and encapsulation.

Frameworks & Libraries:

- ReactJS: Development of responsive, cross-platform web applications.
- React Native: Mobile application development for iOS and Android.
- Node.js: Server-side logic and back-end services, RESTful API development with Express.js.
- Laravel: Full-stack web application development.

- Tailwind CSS: Component-based UI design and responsive styling.
- Bootstrap: Responsive web interface development.
- SASS: CSS preprocessor for efficient styling management.

Databases & Data Management:

- MySQL: Database design, query execution, and data retrieval.
- MongoDB: NoSQL database management and data storage with Mongoose.
- AWS RDS: Cloud-based relational database implementation.

Networking & Cloud Computing:

- CCNP (Cisco Certified Network Professional): Knowledge of network protocols, routing, and switching.
- AWS (Amazon Web Services): Cloud deployment and management with EC2, S3, IAM, and Lambda.

Data Visualization & Analytics:

- Tableau: Interactive data visualization and dashboard creation.
- R: Data visualization and statistical analysis.
- Matplotlib & Seaborn: Graph and plot generation for trend analysis.

Career History:

11.2021 - Present:

Jesters Casino, Dún Laoghaire

Role - Cashier

- Delivered outstanding customer care with interaction and listening skills
- Assisted with shift closes by counting cash and balancing paperwork
- Handled currency payments, secured funds in register and prepared deposits at end of day
- Handled cash and card payments with precision, maintaining customer confidentiality and discretion
- Educated customers on promotions, offers, and special events to enhance sales
- Prepared and submitted end of shift reports using excel and specific functions

08.2020 – 10.2021

Tesco, Dún Laoghaire

Role - Customer Assistant

- Guaranteed high levels of customer satisfaction through product knowledge and attentive service
- Prepared products for sales and presented items immaculately for appealing displays
- Assisted customers in locating specific items to boost satisfaction

Interests and Achievements:

Football:

- Vice-Captain of the college football team and actively involved in the football society committee.
- Helped lead the team to two national college cup finals

Golf:

- Enjoy going to the driving range and playing on local courses, especially during the summer months

Scuba Diving:

- Earned my PADI scuba diving license in Koh Tao, Thailand, allowing me to dive at various sites worldwide
- Prefer diving in tropical regions and exploring the marine ecosystems

REFEREES AVAILABLE UPON REQUEST