

George Nick Gorzynski

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Education

University of Surrey

Sept 2021 – June 2024

BSc in Computer Science

- Grade: 67%, Upper Second Class Honours
- Modules: Privacy Enhancing Technologies, Project Management, Distributed Systems, Advanced Challenges in Web Technologies, Artificial Intelligence, Computer Security, Information Security Management, Computer Logic, Parallel Computing, Programming Fundamentals, Web and Database Systems

Woodhouse College

Sept 2018 – June 2020

A-Levels in Mathematics, Computer Science, Physics

- Grades: A in Physics, B in Computer Science, B in Mathematics
- Achievements: Maximum grade for A-Level Computer Science coursework.

Experience

Senior Software Developer

Remote & Guildford, UK

Kane FM

Nov 2023 – present

- Created WordPress plugins for scheduling of radio shows, revenue collection and day-to-day station management.
- Implemented new branding guidelines in a custom WordPress theme developed in 12 weeks.
- Leading meetings with stakeholders regarding feedback on new features, plugins and platforms.
- Tools Used: GitHub, GitHub Actions, Docker, Javascript, Node.js, PHP, Tailwind.css, WordPress

Digital Experience Assistant

Guildford, UK

Surrey Students' Union

Feb 2022 – Feb 2024

- Assess and improve the digital systems employed by the Students' Union.
- Architected, created and launched a WordPress plugin in one week to poll members on the SU's charity partnership, increasing engagement by 300% to over 1000 students.
- Built a candidate information system as a WordPress plugin in 6 weeks to manage student sabbatical elections.
- Implementing organisation DevOps through Git, CI/CD pipelines, code review and Agile.
- Awarded "Best Part-Time Staff Award" from over 200 student staff for dedication and performance.
- Tools Used: Azure, Azure DevOps, Docker, Microsoft Power Automate, Javascript, Node.js, PHP, WordPress

Student Software Developer

Guildford, UK

University of Surrey

June 2023 – July 2023

- Integrated the University's learning management system with GitLab runners to automate the marking of student coursework using static analysis and unit testing.
- Tools Used: Azure, Apache Airflow, Bash, GitLab, Python

Internship

London, UK

Lumen Research Ltd

June 2022 – Aug 2022

- Developed web scrapers to extract news articles from various outlets in different regions to create templates for testing stimuli and tracking engagement over a 4 week period.
- Tools Used: Azure, Azure DevOps, Docker, Microsoft Power Automate, Javascript, Node.js, PHP, WordPress

Projects

Tableside

github.com/Table-Side 

- Developed a microservice-based web application to allow restaurant customers to order food and drinks from their table.


- Implemented a Node.js backend to handle orders, payments and notifications to the kitchen and bar staff.
- Assisted in development of Flutter frontend to display menu, take orders and process payments.
- Tools Used: Apache APISIX, Azure, Docker, Express, Flutter for Web, GitHub Actions, Keycloak, Node.js, Typescript

Homebridge Panasonic

github.com/g30r93g/homebridge-panasonic 


- Created a Homebridge plugin to control Panasonic TVs in the iOS Home app.
- Reverse engineered the Panasonic iOS application to obtain SOAP commands to set power, volume, channel and input source.
- Interacted with users on GitHub to resolve issues and implement new features.
- Tools Used: Homebridge, Hopppscotch, Javascript, mitmproxy, Wireshark

Woodhouse Hub

github.com/g30r93g/Woodhouse-Hub 

- Created an iOS app to centralise my 6th form college's timetable, grading, attendance, news and events system through the use of a web scraper.
- Implemented local notifications for timetabled lessons.
- Entirely on-device to avoid the use of servers.
- Tools Used: Hopppscotch, Swift, SwiftSoup, UIKit, Wireshark, Xcode

TfL Planner

github.com/g30r93g/Tube-Planner 

- Built an iOS app to provide users with multiple routes between TfL tube and rail stations.
- Created a dataset containing station information, line information, connections between stations, line transfer times and door side openings.
- Implemented A* search and Dijkstra's algorithm with custom heuristics to calculate fastest, cheapest and fewest interchange routes, entirely offline.
- Reverse engineered TfL Customer API to provide user journey history information and oyster card balance, which was factored into route planning.
- Displayed step-by-step routing instructions on a tube map.
- Tools Used: Hopppscotch, mitmproxy, Swift, UIKit, XCTest, Xcode

Volunteering

Vice President

Team Surrey Karting Club

University of Surrey
Sept 2023 – Aug 2024

- Organised and coordinated events for up to 32 students.
- Engaged over 150 students at the University of Surrey over the 2023/24 academic year.
- Established club branding and engaging social media presence.
- Designed and delivered new custom race suits for club members.
- Managed financial planning, sponsorships, overseeing expenditure of £25,000+ in club revenue.

Lead Software Developer

Surrey University Racing Team Engineering Solutions (SURTES)

University of Surrey
Sept 2023 – June 2024

- Built a zero-cost website using Nuxt.js, Nuxt Studio and GitHub Pages in 4 weeks.
- Mentored a team of students in Nuxt, Vue.js, Tailwind.css and Git.
- Consulted with various teams within SURTES to showcase their work.
- Tools Used: GitHub Pages, GitHub Actions, Tailwind.css, Typescript, Nuxt, Vue.js

Hobbies

Software Development

Home Automation

Golf (Handicap 8, U14s Middlesex County Team Captain)

Go Karting (British Universities Karting Championship 2024, Round 3 Inters Medallist)