Magdalena Latifa

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Education

University of Glasgow   *2018 - 2022 expected*

BSc (Hons) in Computing science

- Year 3 grade point average: 20/22
  Courses in Theory of Computation, Algorithmics, Programming Languages, Database Systems and other.
- Year 2 grade point average: 21/22
  Courses in Computer Science fundamentals and Mathematics.
- Year 1 grade point average: 19/22
  Courses in Computer Science fundamentals, Mathematics and German.

The International Baccalaureate   *May 2018*

Bilingual Diploma Awarded

- Higher level subjects: Mathematics (6/7) • Computer science (6/7) • English B (7/7)
- Standard level subjects: Physics (7/7) • Economics (6/7) • Polish A (5/7)

Experience

Amazon   *June - August 2021*

SDE Intern on the Prime Video Windows app team

- Lead the design phase and oversaw the deployment of a customer facing feature which included interfacing with UX and gating changes to production via A/B testing.
- Implemented UI elements for the Prime Video Windows app client using React in TypeScript and integrated functionality for the client using the UWP Windows Runtime in C# and TypeScript.

Amazon Web Services   *June - September 2020*

SDE Intern on the AWS Billing team

- Used AWS Cloud Development Kit (CDK) for creating Infrastructure as Code using TypeScript as well as cloud services such as Amazon DynamoDB, Amazon S3, Amazon SNS, Amazon SQS, AWS Lambda and AWS Step Functions.
- Worked on large scale systems using modern tooling such as Java Spring, Lombok and testing suites such as Mockito.
- Worked on team practicing Agile methodology which included participating in Scrum ceremonies (Daily Scrums, Spring Planning, Sprint Reviews and Sprint Retrospectives).

Projects

SekurPad (Prototype Github link | API Github link)

Collaborative

- Designed and created a prototype for a study investigating alternative approach to inputting PINs on a number pad with the goal of preventing side channel attacks such as thermal attacks or shoulder surfing.
- Used React and Node.js to implement the prototype that allowed users to complete the study as well as the API that was used for collecting the study data.

Skills

Technical   Python • Java • AWS • SQL/NoSQL • TypeScript • C# • Git • Bash • Unix • Agile

Languages   English (fluent) • Polish (fluent) • German (intermediate)

Extracurricular Activities

Glasgow University Technology society   *October 2019 - present*

Committee member

- Tutored at Machine Learning workshops.
- Helped with organising Hacker Olympics 2.0 2019 and Google Hashcode 2020 (Glasgow Hub).
- Participated in *Do you have the GUTS* hackathon 2019.

Glasgow University Competitive Programming society   *September 2018 - present*

Participated in society's competitions, talks and in ACM ICPC preliminary round.