Evan Spendlove

COMPUTER SCIENCE STUDENT

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Skills

Languages	Go, Java, C, Python, Ruby, SQL, HTML, CSS, JavaScript, PHP, Scheme
Tools	Git, Adobe Photoshop, Protocol Buffers, Docker, MySQL, MongoDB, Prometheus, Maven, Google Cloud Platform, LaTeX
Methodologies	Agile, Scrum, Unit-Testing

Education

University College Dublin   *Dublin, Ireland*
BACHELOR OF SCIENCE IN COMPUTER SCIENCE, CURRENT GPA: 4.03 (HIGHEST: 4.2)   *September 2018 - June 2022*

Sandford Park   *Dublin, Ireland*
SECONDARY SCHOOL   *September 2010 - June 2016*
- Awarded a scholarship during entry exams.
- Leaving Certificate: 555 points

Experience

Google   *Dublin, Ireland*
STEP INTERN   *July 2020 - September 2020*
- **Hermes** ⌂
  - Stack: Go, Protocol Buffers, Prometheus, Stackdriver, Grafana
  - Implemented, with one other intern, a black box probing plugin for Cloudprober to monitor the availability and consistency of Google Cloud Storage.
  - Designed a thread-safe core probe structure for scaled use against multiple targets.
  - Architected and implemented metrics for integration with Prometheus and Stackdriver.
- **Cloudprober** ⌂
  - Reported multiple non-trivial bugs in a popular (>1.5 million Docker pulls) open source Google project.
  - Fixed a significant bug that limited the extensions feature of Cloudprober.

UCD Computer Science Society   *Dublin, Ireland*
SYSTEM ADMINISTRATOR   *August 2020 - Present*
- Automated and containerised the updating,building and deployment of the NetSoc website using bash, docker, jekyll and nginx.

Imagine Broadband   *Dublin, Ireland*
TECHNICAL SUPPORT   *August 2019 - March 2020*
- Utilised knowledge of networking and internet fundamentals when troubleshooting with customers.

Freelance   *Dublin*
GRAPHIC DESIGNER   *June 2013 - August 2019*
- Designed full branding packages, website themes and information materials for multiple non-profits.

Projects

Scrabble with AI ⌂
- Stack: JavaFX (FXML), Java
- Designed a full Scrabble clone in Java, in a team of 3, using Scrum methodology with a rotating scrum leader.
- Developed a similar algorithm to Quackle, one of the best AIs in Scrabble.
- Implemented Monte-Carlo Tree Search with enhanced rack leave evaluation.

Full Stack Java To-Do App ⌂
- Stack: JavaFX (FXML), CSS, MySQL.
- Built using CSS stylesheet for styling UI elements. This allows easy switching between colour themes.
- Allows users to create an account and log in. Tasks are associated with the user currently logged in.

Study Timetable Generator ⊙

- Uses a genetic algorithm to generate a timetable of study-sessions based on current modules.
- Outputs the final accepted timetable along with the previous generations and their fitness values to the console.