Christopher E-Hong Teo

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Personal Profile

I am a passionate computer science undergraduate student who always strives to work to a high standard completing many projects at school as well MediaTek, AIXTRON and Cambridge Blue Plaque Society, for which I received an award from the Mayor of Cambridge in 2018. I have learnt that it is increasingly important to deliver solutions that are not only algorithmically efficient, but also encompass the user interface and hardware to deliver a holistic experience for a successful product.

Education

Durham University (2021-Present):

- Degree: Computer Science BSc
- Clubs/Societies: Hackathons

The Perse Upper School (2016-2021):

- A-Level:
  - Further Maths (D1)
  - Maths (D1)
  - Physics (D1)
  - Computer Science (A*)
  - Extended Project Qualification (A*)
- GCSE:
  - Further Maths (A^)
  - Maths (9/A*)
  - Computer Science (9/A*)
  - Physics (9/A*)
  - Design & Technology (9/A*)
  - Chemistry (9/A*)
  - Biology (8/A*)
  - Art & Design (8/A*)
  - English Language (8/A*)
  - Literature (5/Strong Pass)
- Clubs/Societies: Young Enterprise Challenge (Head of IT and Marketing), Caesar Cipher Challenge, Coding

Skills

Computer Programming

- Highly proficient in many different languages including Python, C#, C++, C, JavaScript, TypeScript, HTML and CSS.
- Comfortable using other languages such as MatLab, Rust, Java and Php.
- Very quick to pickup and learn new languages.
- Familiar with tools such as Unity Engine, Unreal Engine, Visual Studio Code, Node JS, React JS, Electron and Visual Studio 2019.

Project Management

- Have planned, organised and led many projects including a project that won a hackathon event.

Work History

AIXTRON Ltd, Swavesey, UK (August 2018 and 2019):

- Created intuitive touchscreen GUI's for AIXTRON batch and roll-to-roll chemical vapour deposition reactors for depositing graphene.
- Using the interface, the user can use an automatic recipe or manually control flow rates of gases, valves, temperatures and the machine's operating state.
- Created parser to group machine data and logs into.
- Developed in HTML5, JavaScript, Structured Text (TwinCAT 3).

MediaTek (MTK Wireless Ltd), Cambourne, UK (August 2017, July 2018, July 2019):

- Programmed test software to automate logging of mobile network traffic from 5G baseband modems (eg. signal strength, connection speed) for quick interpretation.
- Software used for testing SoCs and 5G qualification in London.
- Worked in the development team utilising Scrum methodology.
- Also worked in bug fixing team performing code updates for field reported issues.
- Developed in C# and JavaScript.

Cambridge Blue Plaque Society Website, Cambridge, UK (2017):

- Created a tourist information website listing the history, location and photos of photos of all the Blue Plaques around Cambridge.
- Identified GPS locations, taking photos, and compiling the history of each of the 35 Blue Plaques in the city.
- Presenting all this information online in a modern format for visitors to Cambridge with interactive map.
- Programmed using HTML5, JavaScript and Google Maps API.

Personal Projects

Refer to my portfolio.