

Austin Dibble

SOFTWARE ENGINEER · PHD STUDENT

Glasgow, UK

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Education

University of Glasgow

PHD STUDENT IN PSYCHOLOGY AND NEUROSCIENCE

Glasgow, UK

Sept. 2023 - Present

- **Research Focus:** Application of Deep Learning methods to make longitudinal projections of patient symptom trajectories using neuroimaging.

University of Strathclyde

M.Sc. ADVANCED COMPUTER SCIENCE WITH ARTIFICIAL INTELLIGENCE

Glasgow, UK

Sept. 2022 - Sept. 2023

- **Graduated:** With distinction.
- **Relevant Coursework:** Deep Learning for Visual Computing, Statistics & Bayesian Analysis, Artificial Planning.

Oregon State University

B.Sc. IN ELECTRICAL AND COMPUTER ENGINEERING

Corvallis, OR, USA

Sept. 2015 - Mar. 2020

- **Cumulative GPA:** 3.93 / 4.0 (UK 1st class equiv.).
- **Minor:** Spanish.

Work Experience

Siemens Digital Industries Software

SOFTWARE ENGINEER

Wilsonville, Oregon, USA

Apr. 2020 - Sept. 2022

- Refined performance testing and improvements on Linux systems for Siemens' EDA product, improving process runtime by 40%.
- Operated within a cross-cultural and international team to coordinate bug fixes and performance improvements for customers around the world.
- Developed new UI features in a C++ environment, while utilizing the newest compiler and language features.
- Cooperated across departments to develop new features and performance improvements that meet the needs of a diverse customer base.

Semiconductor Research Corporation

UNDERGRADUATE RESEARCHER

Corvallis, Oregon, USA

Oct. 2019 - Mar. 2020

- Collaborated with postgraduate students in digital signal processing for analog to digital converters.
- Investigated novel algorithms for improving the performance of A-to-D converters when operating in noisy and non-linear environments.
- Designed MATLAB simulations to analyze the performance of digital signal processing.

IND LLC

EMBEDDED SYSTEMS ENGINEER

Vancouver, Washington, USA

Jun. 2019 - Apr. 2020

- Innovated firmware for ARM MCU to communicate and control physical processes such as temperature, humidity, pressure, and fluid flow via Internet communication.
- Managed the design and development of a new touch-screen display interface that featured an ARM Cortex-M7 processor, Bluetooth LE, Wi-Fi, and GPS.
- Coordinated with the hardware team, designing new schematics to meet customer requirements.
- Created firmware in C/C++ and an embedded GUI using uGFX.

Honors & Awards

UNIVERSITY OF GLASGOW

- Fully-Funded PhD Studentship:** Awarded by the Scottish Graduate School of Social Science, 2023-2026 Doctoral Training Partnership (SGSSS-DTP), on behalf of the Economic and Social Research Council (ESRC). Includes full payment of PhD fees and a stipend of approx. £18,622 for 2023/24, increased annually.

UNIVERSITY OF STRATHCLYDE

- 2022 **Faculty of Science Masters Scholarship for International Students:** Scholarship awarded on a competitive basis to candidates who demonstrate excellent academic performance.