

# Adam Gleave

UNDERGRADUATE COMPUTER SCIENTIST

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Second year Computer Science student from the UK. I develop random thought experiments, from procedural generation to operating systems.

## Education

### B.Sc. Computer Science *University of Plymouth*

Sep. 2016 - Exp. Aug. 2020

#### MODULES:

- Object Oriented Design Patterns
- Algorithms, Data Structures and Mathematics
- Embedded Programming
- Artificial Intelligence and Computational Theory

### A Levels *Plymouth College of Art*

Sep. 2014 - Jul. 2016

#### SUBJECTS:

- Critical and Contextual Studies: A\*
- Graphical Communication: B
- Photography and Lens-Based Media: B

### A Levels *Devonport High School for Boys*

Sep. 2013 - Jul. 2014

#### SUBJECTS:

- Mathematics: C
- AS Levels in English Literature, Physics and Chemistry

## Work

### Compass Group, UK *Customer Service Assistant (Keyholder)*

Jul. 2014 - Dec. 2015

COSTCUTTER, HMS DRAKE, PLYMOUTH

- Worked in a fast-paced team environment.
- Had responsibility for the opening and closure of the shop.
- Trusted with access to the safe and hopper, and passing on the shift to the next day's staff.
- Valuable experience in customer service, interacting with members of the Armed Forces community, assisting with queries and returns, serving hot drinks, and helping disadvantaged personnel.

## Voluntary

### Beyond Skyrim: OpenCK *Software Developer*

Aug. 2017 - PRESENT

CORE MEMBER, DIRECTOR AS OF FEBRUARY 2018

- Working as part of a core software development team with global membership.
- Reverse-Engineering proprietary file-types and obtaining important information.
- Developing an open source plugin/mod editor for a popular video game title (Elder Scrolls V: Skyrim).
- Using version control (namely Git) regularly.

### The Science Assembly *Researcher*

June 2016 - PRESENT

CORE MEMBER OF AN ENVIRONMENTAL NON-PROFIT

- Performing research into sustainable technologies and cities.
- Assisting fundraising and outreach events to further the causes of non-profit organisations.

## Open Source

RUST	<b>Rustbucket</b> , 64-bit Operating System kernel.	ONGOING
RUST	<b>Multiboot2-rs</b> , Multiboot2-standard information parser for Rust OS development.	STABLE
C++	<b>OpenCK</b> , Open source alternative to Bethesda's Creation Kit.	ONGOING
C++	<b>Voxbox</b> , Procedurally-generated voxel terrain engine.	ONGOING
PYTHON	<b>Id.py</b> , 5x5 Identicon generator script.	COMPLETE
C	<b>C-matrix</b> , Proof of Concept multi-threaded matrix multiplication algorithm.	COMPLETE

# Skills

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Programming Languages	C, C++, C#, Java, Rust, Python, Oracle SQL, x86 Assembly (Intel)
Frameworks, Libraries & APIs	Qt, .NET, WinForms, Swing, JavaFX, JUnit, PyTest, OpenGL
Concepts	O.O. Design, Graphics, Parsing, Databases, Proc-Gen, UI, Version Control, UML, AGILE
OSDev	Kernel Architecture, CPU Architecture, Interrupts Handling, Driver Development

# Honours & Awards

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2017	Dean’s List, 1st Year	University of Plymouth
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