Jesse Ashmore

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Information and Qualities

- Trained eye for **attention-to-detail**; excels in roles requiring intimacy with data and detail.
- **Works accurately and efficiently** to meet deadlines, maintaining the highest standards.
- Wide range of experience and skillsets in both **creative and scientific domains**.
- Focussed and independent learner, **many skills self-taught.**
- **Aptitude for problem-solving**, simplifying difficult concepts and applying previous experience.
- Great capacity for **written and verbal communication**.

Qualifications and Achievements

- Recipient of the D.E.S. **Third Level Bursary Scheme.**
- Successful applicant to the 'MU SPUR 2018' programme as an **undergrad researcher.**
- **Joint-first-place** in my year group in the '**MU Programorama' competition** (2017).
- **Fluent in French** to a ~B1 level (intermediate).
- **Citizen of the Year Award 2016** (O'Carolan College).
- Bronze Gaisce Award 2015 (President's Award).

Education (see appendix for breakdown)

- **BSc Computer Science** student; specialising in Multimedia, Mobile and Web Development.
- BSc Third Year – Ongoing (see appendix for modules)
- BSc Second Year – **87.5%** First Honours
- BSc First Year – **83.4%** First Honours
- Leaving Certificate – **500 Points** (6 Honours)

Work Experience

- **Full-stack development – Undergrad Researcher, Maynooth (June-July 2018).**
- **Office, programming & calibration work – Aspen Electronics, London (July 2017).**
- Varied office work, T&J Gavigan, Kells (March 2015).
- Shop floor & storage room, GameStop, Navan (February 2014).
- Varied areas of educational work, Kells Parochial N.S., Kells (December 2013).

Other Experience

- **Maynooth University Fencing Club P.R.O. 2016-2018.**
- **French-English translation work for SeedboxWS.com.**
- **On-site and remote technical support for REA T&J Gavigan, school, family and friends.**
- Photoshop design work for the L.M.E.T.B.
- Free-lance voice over and video editing work.
- Delivered a talk on "Efficiency with Computers" to school staff.

Tools & Languages

- **Java**
- **Python**
- **Node.js**
- **Adobe Creative Suite**
- Web Development - HTML/CSS/JS
- Processing

- PHP
- SQL & MongoDB
- Git & IDE Tools
- Balsamiq Mockups 3
- TestNG, Selenium
- Windows/Linux/Android

Note-worthy Projects

- **Full-stack Node.js/MongoDB API** archival system for student records and images.
- Batch image processing and data ingestion **tools in Python utilising Google Cloud.**
- **Discord Bot written in Node.js** to store and generate links, sound files and other media.
- Audio/visual **simulated oscilloscope in Processing** for 'Oscilloscope Music' project.
- Morse Code audio encoder and decoder written in **Java and Processing** – a personal favourite project of mine that resulted from an assignment.
- **Ascii-art generator in Python** to convert an image to an equivalent image composed of ascii characters.

Interests and Hobbies

- **Visual effects**, audio/video editing & processing, **hobbyist photographer**.
- **Languages** – Strong aptitude and **interest for languages**, specialising in French.
- **Music** – Learning instruments, music curation and **music production.**
- **Science** – Great interest and **aptitude for physics and scientific thinking**.
- **Technology** – Avid interest in **networking**, software engineering, **web/mobile development**, graphics design and other **creative workflows**.
- Used **Kattis** to improve my problem-solving skills and help teach myself Python.
- Created various, popular **tutorial videos** on YouTube for several creative tools.

Portfolios

- LinkedIn: Jesse Ashmore (www.linkedin.com/in/jesse-ashmore-2597b5130/)
- GitHub | Behance | SoundCloud | Flickr | YouTube : **JeeZeh**

Please contact by email for appropriate referees and more

Appendix – Results

Maynooth University

Year 3 – Modules:

Software Design
Team Project
Multimedia Communications
Mobile Application Development
Computer Networks
Human Computer Interaction
Work Placement Documentation
Industrial Work Placement

Year 1 – 83.4% First Honours:

Introduction to Computer Science 2	96%
Calculus 2	95%
Computer Systems 1	92%
Introduction to Statistics	92%
Introduction to Computer Science 1	90%
Lire, Parler, Écrire le Français 1	76%
Calculus 1	76%
Computer Systems 2	72%
Lire, Parler, Écrire le Français 2	72%

Year 2 – 87.5% First Honours:

Web Information Processing	99%
Intro to UX/UI Design	99%
Databases	96%
Algorithms & Data Structures 1	95%
Algorithms & Data Structures 2	94%
Multimedia Technology	91%
Computer Architecture	89%
Software Engineering & Process	85%
Software Testing	84%
Calculus 3	81%
Coding Media Convergences	74%
Linear Algebra 1	63%

Leaving Certificate – 500 Points

French	Higher Level	A1
Physics	Higher Level	A2
Music	Higher Level	B1
Chemistry	Higher Level	B2
English	Higher Level	B3
Applied Maths	Higher Level	C1
Maths	Ord. Level	A2
Irish	Ord. Level	B2