

# Jay Piamjariyakul, MEng

Electrical/Electronic Engineer, Composer/Producer,  
Arts-in-STEM Activist

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WWW: <https://jpamjariyakul.github.io/cv>

## LinkedIn

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## Education

### University of Bristol

September 2017 - July 2021

*Master of Engineering in Electrical & Electronic Engineering*

*1st Class Honours (74%)*

*Thesis title: "A novel make-up gain stage for the software-based Moog 4-pole audio filter" (Achieved 72%)*

- Projects: loudness-restoring audio plugin based on ITU-R BS.1770, Rubik's Cube solving robot, FPGA peak byte generator/detector, DSP-based Goertzel algorithm implementation, embedded SoC/bridge design, LDPC coding system simulation, real-time autonomous robot programming
- Units: Digital/Analogue Electronics & Filters, Embedded Real-Time & VLSI System Designs, Networking Protocols & Applications, Mobile Communications, Sustainable Power Engineering, Audio & Image Processing
- Achieved 70% in First Year, 70% in Second Year, 74% in Third Year, 75% in Fourth Year

### Strathallan School

September 2012 - June 2017

*Perth, Scotland*

- A-Levels: Mathematics, Physics, Computer Science (ABB respectively)
- 9 GCSEs including: A\* in Mathematics and Computing, A in Triple Sciences, and B in English

## Professional Experience

### Hamlet

Likely early 17th century

Prince Hamlet is visited by his father's ghost and ordered to avenge his father's murder by killing King Claudius, his uncle. After struggling with several questions, including whether what the ghost said is true and whether it is right for him to take revenge, Hamlet, along with almost all the other major characters, is killed.

tragedy philosophy death

### Twelfth Night

1600 – 1601

Viola finds herself shipwrecked in Illyria and, assuming that her brother Sebastian has died in the wreck, disguises herself as a man to gain a position in Duke Orsino's court. Orsino sends Viola (whom he knows as Cesario) to deliver a message to his love, Olivia. Olivia, however, dislikes the Duke. She falls in love with Viola, who she thinks is a man. Eventually, Viola's brother Sebastian, who in fact was unharmed in the wreck, reappears. At a critical moment, Viola's true identity is revealed when members of the court notice the similarities between her and Sebastian. Olivia quickly falls in love with Sebastian, and Viola confesses her love for the Duke.

comedy love

### The Tragedy of Romeo and Juliet

1595–1596, with a possible early draft written in 1591

In Verona, Italy, two families, the Montagues and the Capulets, are in the midst of a bloody feud. Romeo, a Montague, and Juliet, a Capulet, fall in love and struggle to maintain their relationship in the face of familial hatred. After Romeo kills Juliet's cousin Tybalt in a fit of passion, things fall apart. Both lovers eventually commit suicide within minutes of each other, and the feuding families make peace over their recent grief.

tragedy

death

love

## Additional Experience

### Performance

Thousands of performances of my plays have been staged since the end of the 16th century. Many of my greatest plays were performed by the Lord Chamberlain's Men and King's Men acting companies at the [Globe](#) and Blackfriars Theatres.

theater

play

### Poetry

In 1593 and 1594, when the theatres were closed because of plague, I published two narrative poems on sexual themes, *Venus and Adonis* and *The Rape of Lucrece*. He dedicated them to Henry Wriothesley, Earl of Southampton.

poetry

erotic