

Andrew Nicolalde

Lover of all things computing, Second year Computer Science student at Royal Holloway, University of London, seeking fulfilling work in Information Security & Web Development.

[AndrewN.io](https://andrewn.io)

Education

- 2016-2019 (expected)** **MSci Computer Science (Information Security) w/ Year in Industry:** Royal Holloway, University of London
- Successfully tested into advanced Software Development course during first year*
- 2016-2017** **Scholarship Recipient - American Airlines Education Foundation**

Work Experience

Internship | American Airlines

Corporate Communications | Summer 2016

Supported technical setup of company's quarterly State of the Airline Report corporate event. Collaborated in the creation of event's internal communications announcements.

Summer Researcher | Royal Holloway, University of London

Information Security Group | Summer 2018

Undertook fully funded research project with the Smart Card and Internet of Things Security Center, explored visualization techniques which better allow enterprise users to monitor the real-time flow of security & compliance sensitive information throughout a complete information system.

Technical Experience

- Information Security**
- Created, selected & deployed security policies for personal & organizational use.
- Secured multiple Linux servers for deployment.
 - Experienced in threat modeling, selecting and configuring technologies such as Fail2Ban, SSH, & SOCKS.
 - PGP Key Available, see Keybase below.
- Programming Languages**
- Java**
- 6 years programming experience
 - Java graphics APIs like JavaFX
- Python**
- Flask & Bottle
 - Jupyter Notebooks
 - Scapy networking library

JavaScript & Web

- jQuery
- Bootstrap

Developer

Teamwork

- Received top marks in second year Team Project course, using Scrum & Agile development tools, processes & techniques.
- Test-driven developer
- A firm believer therein.
- GitHub issue, project tracking

Git & VCS

- Well practiced in use of Git in real multi-developer & multi-team projects
- SVN proficiency

Docs

- Excellent English writing skills
- JavaDoc, Python Docs
- Pandoc, L^AT_EX

Hackathons

Cisco University Challenge 2017

October 2017

Developed a solution designed to ease congestion on trains using the Cisco Meraki smart net-working API as part of Royal Holloway Team 2.

AstonHack 2017

November 2017

Created a **command line interface for Monzo Bank**.

Royal Hackaway 2018

January 2018

Made a **heatmap visualizer of average inpatient healthcare costs in the United States**.

Additional Interests

- Human Languages:
 - *English (native speaker)*
 - *Spanish (native speaker)*
- Smartcard security, eMRTD protocol security, regulatory compliance
- Passionate about and eager to contribute to Free & Open Source Software

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