

ArthurKOEHL

webpage

www.arthurkoehl.com

about

Born in France:
Strasbourg
6/16/1995

contact

2239 Muir Woods Pl
Davis, CA 95616
USA
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languages

bilingual french/english
proficient spanish

programming

C, C++, Java, Python
OpenCV,
Pyenv, MySQL, Jetty
CSS3, HTML5, PHP,
Apache

interests

Modern European History, Military History, Digital History, Spatial History

education

- since 2013 **University of California, Davis** Davis, California, USA
Bachelor of Arts, History
Bachelor of Arts, Economics
Bachelor of Science, Computer Science
Honor Thesis (under the supervision of Prof. Adam Zientek):
historiography of Alsace-Lorraine: the story of the Malgrés-nous
- 2011-2013 **Davis Senior High School** Davis, California, USA
Curriculum based on liberal arts model with emphasis on physical and biological sciences, electives in history, government, chemistry, human geography, French
- 2010-2011 **American School of Singapore** Singapore
Curriculum based on liberal arts model with emphasis on physical and biological sciences, electives in history, chemistry, French

experience

- Since 2015 **University of California, Davis** Research, History
Honor Thesis: The story of the Malgré-Nous. During the Second World War, approximately 130,000 young men from Moselle and Alsace were conscripted into the German Army. They are called the “Malgré-Nous” in reference to the fact that they were fighting against their will for a country that was not their own. The goal of my project is to integrate, arrange and visualize the complex and rich data available on the Malgré-Nous.
- Since 2015 **Data Science Initiative, University of California, Davis** Research Internship.
The Archive Vision Project (Archv). Worked with Dr. Carl Stahmer on EBBA (English Broadside Ballad Archive project). EBBA is a website that hosts over 10,000 English Broadside Ballads. Set up LAMP environment, updated website source code to newer version of PHP. Cleaned code and provided documentation. Developed ArchV (Archive-Vision), a comprehensive project written in Cpp that calls many functions from the OpenCV library. The project categorizes the ballads of EBBA based on recurring figures in their images.

- Jul.-Aug. '15 **Center for Bioluminescence Sciences (CBIS)** National University of Singapore (NUS)
Summer internship: Implement a PYENV environment for CBIS. Worked with system administrator Alan Davis to create a comprehensive, customized pyenv for the CBIS. With this environment, users can easily request python modules as well as change between python versions.
- Jul.-Aug. '14 **CBIS** NUS
Summer internship: Benchmarking scientific computing libraries. Worked with system administrator Alan Davis. Wrote programs in Cpp and bash to benchmark different scientific computing libraries (ATLAS, GSL, MKL, openblas).
- Jul.-Aug. '13 **CBIS** NUS
Summer internship: Monitoring computer cluster usage. Worked with system administrator Alan Davis. Wrote programs to monitor CPU and disk usage on a large computer cluster, as well as small statistics tools to analyze the corresponding data.
- Jul.-Aug. '12 **Department of Biological Sciences (DBS)** NUS
Summer Research Experience: The Darwin and Wallace online resources. Worked with Dr. John Van Wyhe on the Wallace Online project (wallace-online.org) and updated his previous project the Darwin Online (darwin-online.org.uk). Transcribed high quality scans of primary source writings from Wallace, especially his letters from South East Asia. Used adobe Dreamweaver to add pages from Darwin's Beagle journey notebooks to the Darwin online website. Prepared thousands of photos to be added to both websites.