



Allan Barrielle

✉ allan.barrielle@gmail.com

/github.com/abariel

linkedin.com/in/allan-barrielle

📞 +33621863817

EDUCATION

42 programming school - Paris

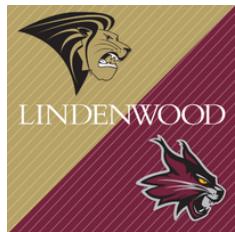
08/2016–Present



- C (C99 standard), Bash script, Python3
- Unix development, GDB
- C++ x1+ STL
- Node.js, Javascript ES6+, TypeScript, React/Redux
- Experienced with ASM x86 (NASM)
- Implementations of a min-max algorithm

BS in Computer Science - Lindenwood University - St Louis USA

08/2014–06/2016



- Calculus: limits, continuity, differentiation and integration
- Biology: evolution, cellular biology, genetics, and ecology
- Computer Science: input/output statements, file I/O, assignment operations, conditional statements, iterative statements, functions, and array processing
- Physics: kinematics, vectors, Newton's laws, and conservation laws for energy, linear momentum, and angular momentum, gravitation, fluids, simple harmonic oscillations, waves, and thermodynamics

WORKS EXPERIENCE (1 PREVIOUS INTERNSHIPS)

jeuxvideo.com - Webedia - Paris

08/2014–06/2016



- Full stack Javascript development (PostgreSQL, ES6+, Node.js, React) to support the entire website (70millions visits/month)
- Successfully helped transferring the website's stack from PHP to Javascript
- Optimization of the database structure and queries with indexes, denormalization, advanced materialized view
- Sprint/features/AGILE development workflow
- Using Git in a Team environment

PROJECTS

42 Rewriting the following: `libc, malloc, printf, ls, nm, otool, quine`

Gomoku Make an AI capable of beating human players at Gomoku. C++ X1+ project, Implementations of a min-max algorithm (NegaScout version) with an alpha-beta pruning. Graphical interface implemented with SDL2 library

Movie Streaming App Stream w/ BitTorrent protocol. Front-End with React/Redux. Back-End with Node.js typeScript, documented with swagger.io, knex and Passport.js

Online dating App Implemented with React, SocketIO. Back-End Api express, postgreSQL, homemade orm and cms

SIDEWORK

International Students Attendant - ESL Assistans Teacher

08/2014–06/2016



- Development of a program to help international students integration. Responsible of maintaining the ESL's website
- Helping the international students by providing/writing documentations, challenging them with real interview and supporting with paperwork and administration

Wiki by students for 42

04/2018–Present



- Develop and maintain a Wiki for 42, open source and editable by the 42 community using git/github

SKILLS

Programming Very experienced in C, Javascript

Code quality Healthy habits regarding coding conventions (norm, lint), documentation and testing

Team working Well-verses in AGILE principles and experienced in pair/mob programming

Security Good knowledge in reverse engineering (elf) and Modern Binary Exploitation, gdb w/ PEDA

Languages Fluent in English and French