



Allan Barrielle

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EDUCATION

42 PROGRAMMING SCHOOL - PARIS

08/2016–PRESENT



- C (C89 standard), Bash script, Python3
- Implementations of a min-max algorithm.
- Unix development, GDB
- C++ x98/x1+ STL
- Node.js, Javascript ES6+, TypeScript, React/Redux
- some knowledge ASM x86 (NASM)

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.
- Software engineering: Javascript
- Development of a program to help international students integration (website, journalism, interview, support ...)
- Involved in the Campus Life, work 10h per week in the sport department of the University.

WORKS EXPERIENCE (2 PREVIOUS INTERNSHIPS)

JEUXVIDEO.COM - WEBEDIA - PARIS

06/2017–01/2018



- 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 a 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.

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

Languages Fluent in English and French