Address available upon request

Beau Dobbin

Software Developer
Audio Engineer
Educator

beau.dobbin@gmail.com
beaunus.com
linkedin.com/in/beaunus
github.com/beaunus
References available upon request

Java/Python developer with 8+ years *teaching* experience, *management* skills, and 10+ years *audio engineering* experience.

EXPERIENCE

Mentor   **Coursera / Princeton University / Algorithms, Part 1**   **2016 November - present**
- Answer students' questions on the discussion forums of one of the most popular massive open online courses. (Java)

English Teacher
Head of Technology   **M's English School / Takasaki, Gunma, Japan**   **2013 Spring - present**
- Designed a database to model business logic, customer information, and lesson scheduling. (MySQL)
- Produce audio recordings to accompany published teaching materials. (REAPER)
- Automated audio production processes to allow revisions and minimize labor costs. (Python)
- Created systems for scheduling, labor management, communication, and training for a team of nearly 30 employees. (Google Docs/Sheets)
- Created Google documents to manage textbook distribution to 300+ students in 3 locations. (Google Apps Script)
- Manage a 4 person team that provides 16 weekly lesson hours for Takasaki City University of Economics.
- Teach English to students ranging from kindergarten to senior citizens. Teach up to 20 lessons per week.
- Edit scientific writing for publication.

English Teacher   **Gasan Elementary School / Busan, South Korea**   **2010 Spring - 2013 Spring**
- Prepared up to 15 lessons per week to accommodate a school with approx. 100 students attending up to 4 times weekly.
- Arranged and produced a student-performed rendition of the school's song. (REAPER)

President
Audio Engineer   **Beaunus Sound, LLC / Atlanta, GA, USA / beaunussound.com**   **2008 - 2009**
- Operated a sound production company specializing in on-location recording, mixing, and mastering. (REAPER)

Musical Director
Audio Engineer   **Camp Jam / Atlanta, GA, USA**   **2007 - 2009**
- Hired and managed a staff of 10+ music instructors in a national summer music camp for students aged 11 to 17.

Partner
Audio Engineer   **In The Red Productions, LLC / Atlanta, GA, USA**   **2006 - 2008**
- Co-produced and engineered recordings for instrument ensembles and hip-hop vocalists. (REAPER)

Web Designer   **Interland / Atlanta, GA, USA**   **2005**
- Guided customers through product design, content creation, revisions, implementation, and web-site deployment.
- Worked with artwork and programming staff to satisfy customers' individual needs. (HTML, CSS)
- Created custom spreadsheets to prioritize tasks and manage deadlines. (Microsoft Excel)

Programmer   **Intelliworks / Norcross, GA, USA**   **2005**
- Programmed a Customer Relationship Management system for universities. (ColdFusion, SQL, HTML, CSS)
- Wrote user interfaces for database driven web applications.

EDUCATION

Athens, GA, USA   **University of Georgia**   **2000 Fall - 2004 May**
- B.S. in Computer Science, May 2004. GPA: 3.56/4.00. Cum Laude.
- Coursework: Java, C++, C, Lisp, Data Structures, Software Engineering, Artificial Intelligence, Computer Architecture, Human-Computer Interaction, Computer Networks, Theory of Computation, Discrete Mathematics, Calculus

CERTIFICATION

Coursera   **Stanford University**   **2017 February**
- Coursera Specialization Certification: Algorithms.
- Topics: Divide and Conquer, Sorting, Searching, Randomized Algorithms, Greedy Algorithms, Minimum Spanning Trees, Dynamic Programming, Graph Search, Shortest Paths, Data Structures, NP-Complete Problems
- Developed an open-source repository of test cases to help student community. github.com/beaunus/stanford-algs

SKILLS

Programming Languages
- FLUENT - Java, Python
- PROFICIENT - Javascript, HTML, CSS, Bash
- PRIOR EXPERIENCE - PHP, C++, SQL, Go, Lua, C, JSFX

Technologies
- Programming: Vim, Eclipse, Git
- Music: REAPER, Audulus, Pure Data, Lemur
- Image: GIMP, Inkscape