

Address available upon request

# Beau Dobbin

Software Developer  
Audio Engineer  
Educator

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References available upon request



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

## EXPERIENCE

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**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** **M's English School / Takasaki, Gunma, Japan** **2013 Spring - present**  
**Head of Technology**  
- Designed a database to model customer information and lesson scheduling. (SQL)  
- 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 - 2012 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** **Beaunus Sound, LLC / beaunusound.com** **2008 - 2009**  
**Audio Engineer**  
- Operated a sound production company specializing in on-location recording, mixing, and mastering. (REAPER)

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

**Partner** **In The Red Productions, LLC / Atlanta, GA, USA** **2006 - 2008**  
**Audio Engineer**  
- 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

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**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

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**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](https://github.com/beaunus/stanford-algs)

## SKILLS

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### Programming Languages

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

### Technologies

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