

GRAHAM MITCHELL

graham@grahammitchell.com • (512) 426-3110 • Austin, TX

Software engineer who loves to teach and to build tools that delight users.

Technical Skills

Languages: Python, Bash, JavaScript, ReactJS, C and others

Technologies and Skills: Linux, Docker, Flask, RESTful APIs, microservices, MongoDB, AWS

Work Experience

Expedia Group – Software Development Engineer III 2017 – present

- designed, architected and built Spawn, which reduced developer time to discover and generate starter code from hours to minutes, and increased compliance with tagging and ownership rules
- developed SpawnUI, the React frontend for Spawn
- created md2confluence, which enabled devs to create new Confluence pages from a Markdown file
- managed GitHub Enterprise for 1,200 devs and Cloudbees Jenkins cluster with >100k builds per month
- two-year member of the Outreach Committee for the Austin-area Women in Tech affinity group
- co-developed and emceed HomeAway’s New Hire Training for Developers, with a NPS of >95%

Learn Java the Hard Way – company owner 2013 – present

- author of two self-published textbooks used by a coding bootcamp and some high schools
- built product websites, developed custom back-end payment handling and product fulfillment code

Leander High School – computer science teacher 1997 – 2017

- developed courses: Object-Oriented Java, Data Structures, Web Development, Video Game Design
- taught students C++, Java, Python, JavaScript, PHP, Scheme and x86 assembly
- developed a system to reduce grading time of CS assignments by 4x: Perl to tag and syntax-highlight student work, a single-page JavaScript app to streamline marking and Python to process the results
- developed website for improved monitoring of site-wide PSAT administration: JavaScript for timing in each testing room and a central Python server they all ping to report progress

Lakeline Church – worship leader (music director) 1997 – 2010

- managed a rotation of 15-20 musicians, recruited volunteers for the band
- helped grow the church from ~30 members to over 300 in the first three years

Publications and Invited Talks

[Learn Object-Oriented Java the Hard Way](#) (book) 2016

illustrates the object-oriented parts of Java using 50+ complete example programs

[Learn Java the Hard Way](#) (book with videos) 2013

demonstrates how to code with dozens of short, simple programs that build in complexity

Ways to Raise Your Social Status (talk) 2006 – 2015

Understanding the socially “typical” for an improved ability to navigate relationships, job interviews, and life in general. Sponsored by *Women in CS*. For UT College of Natural Science.

Education

The University of Texas at Austin 1997

Bachelor’s Degree, Computer Science