

ALEXANDER C. GOLDMAN

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Experience

Independence Blue Cross Mobile App Development

Intern | 2015-2016

Managed an MSSQL database using Java and SQL to parse log files & interact with other databases (MySQL, DB2, Oracle, etc.) Leveraged JDBC connections to the MSSQL database to generate Microsoft Excel reports for data collection.

Mercury Technology Consulting Coding Camp

Coding Instructor | 2015

Taught 20 rising high school freshmen the basics of HTML, CSS, and Javascript. Collaborated on curriculum design and oversaw the completion of a personal website project for each student.

UPenn Computer Science Department

Teaching Asst | 2014-2015

Responsible for co-teaching recitation of 20 students once a week, holding office hours, and grading homework assignments and exams.

Hospital of UPenn Cardiovascular Surgery

Admin Assistant | 2011-2012

Responsible for sending faxes and letters to patients regarding their appointments, data entry, and other administrative duties to help the surgeons' assistants.

Personal Projects

Using Node.js, Jade, JavaScript and Python

Developed website to predict availability of study spaces at the University of Pennsylvania for senior design project (with the ZeroRPC, SciPy and SciKit-Learn frameworks).

Using Node.js, Jade, JavaScript, Mongoose & MongoDB

Created website similar to Facebook for class on databases, with users and ability to post/like/comment on photos/content with searching feature and NoSQL caching system.

Assisted with Curriculum

Crafted new homework assignment for CIS120 wherein students develop their own instance of a chat client in Java using a modified specification of the IRC Protocol.

Using Haskell

Built command-line version of Othello (playable with 1 or 2 players).

Using C

Built simple operating system, consisting of file system, kernel and shell.

Education

University of Pennsylvania

Philadelphia, PA

BA, Mathematics

BSE, Computer Science

GPA: 3.18

J.R. Masterman High School

Philadelphia, PA

High School Diploma

References

David Rowland, david.rowland@ibx.com

Senior Technical Program Manager,

Independence Blue Cross

Val Tannen, val@cis.upenn.edu

Professor, UPenn Department of Computer and Information Science

Stephanie Weirich, sweirich@cis.upenn.edu

Professor, UPenn Department of Computer and Information Science

Skills

Programming: Java, SQL, OCaml, XML, Javascript, HTML, CSS, Python, Haskell, C, Objective-C
(descending in familiarity)

Database Systems: Implementation of database systems from scratch and cloud storage using AWS.

Operating Systems: Linux/Unix, Mac/OSX, and Windows

Languages: Fluent in English, intermediate in Spanish, & beginner Arabic

Personal Interests



Travel



Ultimate Frisbee



Cooking



Biking



Music Production