

Andrew Lehmann

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Education

BACHELOR OF SCIENCE | UNIVERSITY OF HOUSTON

DECEMBER 2017

- **Major:** Computer Science
- **Minor:** Mathematics
- **GPA:** 3.83
- **Academic Awards:** Dean's List
- **Coursework:** Data Structures, Computer Organization and Assembly Language, Computer Architecture, Design File and Database Systems, Probability, Statistics for the Sciences, Discrete Mathematics, Calculus 3, Introduction to the Stochastic Process

Projects | www.arlehmann.com/projects

ATM GUI | JAVA

APRIL - MAY 2016

- Collaborated within a focused group of 3 on a class project in order to create and client-proof a functional GUI for a fictional ATM system
- Designed and implemented graphical interface via the Swing package, developed algorithms for deposit/withdrawal of funds
- Normalized all code in compliance with better coding practices to drastically improve efficiency and eliminate memory leaks
- Learned the importance of fair and satisfactory delegation of duties between team members, as well as strict version control
- Persevered and delivered on time despite learning that a large portion of the completed project would need to be redone in a different way

COMMAND LINE CALCULATOR | C++

AUGUST 2016

- Created a calculator that performs six different operations (+ - * / ^ %)
- Practiced exception handling in C++ and compilation/execution of code through Linux command line

DICE ROLLER | PYTHON

SEPTEMBER 2016

- Command line application that simulates rolling a die with a user-specified number of sides
- Learned that making a catch-all is often the best practice, and encourages efficiency as opposed to handling each specific case separately

Skills & Abilities

- **Programming Languages:** Java, C++, Python 2.7, Assembly (MIPS), Objective C, HTML/CSS (beginner)
- **Operating Systems:** Windows, Linux/Ubuntu
- **Database Systems:** MySQL
- **Software:** Adobe Photoshop (CS4), Eclipse, Visual Studio 2013, Dev C++, Python Shell (IDLE), MARS 4.5, SPIM, Git/GitHub, SQL Developer
- **Microsoft Office:** Word, PowerPoint, Excel (Intermediate)
- **Concepts:** Object-oriented programming (OOP), Database systems, sorting algorithms, time complexity, Binary Search Trees, File I/O, structured design, normalization of relational databases, project planning/structuring, scheduling of large projects
- Excellent verbal and written communication skills

Organizations

- **CougarCS:** Deputy Director of CodeRED Hackathon
- **IEEE** (Institute of Electrical and Electronics Engineers)

Experience

DEPUTY DIRECTOR OF CODERED HACKATHON | COUGARCS

SEPTEMBER 2016 - CURRENT

- Maintained multiple relationships with prospective sponsors and ensured retention of previous sponsors for CodeRED Hackathon
- Assisted the executive director with event floor planning and logistics of accommodations for sponsors, attendees, and volunteers

SALESPERSON | WALLISVILLE FIREWORKS

JANUARY 2014 - JULY 2016

- Communicated with customers in order to better understand their needs within a retail setting
- Assumed managerial duties in absence of owner (trained new employees, assessed stock, engaged unsatisfied customers)