### Jackson Caruth

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**OBJECTIVE:** To obtain a full-time position in the engineering industry.

**EDUCATION: Southern Methodist University** Dallas, TX Bobby B. Lyle School of Engineering Grad Date: May 20xx

Bachelor of Science in Management Science GPA: 3.17

Minor in Mathematics

#### Curtin University of Technology, Perth, Australia (SMU Study Abroad Program) Spring 20xx

**RELEVANT** Introduction to Management Science, Operations Research, Microeconomics, Macroeconomics,

**COURSES:** Principles of Computer Science I, Calculus I & II, Linear Algebra, Scientific Computing, Accounting I

**SKILLS:** MS Windows, Excel, Word, Access, PowerPoint, FrontPage, Adobe Photoshop and Illustrator, Quicken, CPLEX, AMPL, SAS, C++, HTML, Visual Basic, Java, PERL, UNIX

**ENGINEERING PROJECTS:**

**Senior Design Project** Fall 20xx

* Designed a demand forecasting model to assist SkinCeuticals with developing an efficient inventory system
* Interviewed SkinCeuticals staff to determine variables used to develop an efficient linear program that forecasts demand
* Analyzed sales history figures to determine product similarities and/or seasonal relationships

**Operations Research Models Course Project** Spring 20xx

* Implemented a minimum cost computer production schedule via an integer programming mathematical model for the fictional corporation Moon Megasystems
* Constructed a mathematical model to minimize costs associated with computer assembly times and storage fees, taking into consideration the number of full and part-time assembly workers, overtime wages and maximum storage capacity
* Solved the model with the CPLEX optimization software to produce a computer system production schedule that met production deadlines in a timely fashion

**EXPERIENCE:**

##### Financial Investors Inc., Assistant to the President, Dallas, TX Summer 20xx

* Assisted investment advisor managing approximately one billion dollars worth of assets
* Created and tracked trade tickets, using Bloomberg software, for investment transactions made through several major financial management and advisory firms, such as Merrill Lynch and Morgan Stanley
* Maintained and reviewed balance information for numerous accounts

**Telecommunications Inc.,** *Product Sourcing Group Intern*, Plano, TX Aug 20xx – Jan 20xx

* Supported the selection of telecommunication equipment suppliers based on an optimal balance between their cost and reliability
* Point of contact and tracked the qualification testing and production progress of outsourced products

**ACTIVITIES:** Theta Tau Engineering Fraternity, President

##### Society of Women Engineers (SWE), Historian

##### Association for Prospective Engineers (APES), Vice President

**AWARDS:** President’s Scholar Engineering Fellows Scholar

 SMU Distinguished Scholar SMU Mustang Scholars

**Graduating Senior**

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**OBJECTIVE:** Seeking a Co-op position to further my knowledge of software development and to apply my knowledge of DB2, SQL/XML, Web Services, web server setup, and testing cycle through testing automation for application development.

**EDUCATION: Southern Methodist University** Dallas, TX

 Bobby B. Lyle School of EngineeringGrad date: May 20xx

 Bachelor of Science in Computer Science GPA 3.14/4.00

**Technical Expertise:**

**Programming languages:** Java, JDBC; C/C++; C#; XML; SQL; DB2 Stored Procedures; HTML; JavaScript; PHP; Objective-C; Perl; Python; Ruby; Scheme; Assembler

**Operating Systems:** Windows 7, XP; Linux; UNIX; AIX

**Application Environments:** Eclipse environment; Apache; IBM WebSphere Studio Application Developer; Microsoft Visual Basic 6.0, Visual C++; IBM Rational ClearCase; IBM Rational Functional Tester (RFT); IBM Rational Application Developer

**Database Environments:** IBM DB2 UDB V9; MySQL

**Web Design Applications:** DOJO Toolkit; TWiki; Rational Application Developer

**Software Applications:** Microsoft Word, Excel, Access, PowerPoint, Outlook; WordPerfect**;** Lotus Notes; FTP; Hummingbird Exceed; Emacs; IBM Virtual Machines (VM's); SameTime

**OTHER SKILLS:** Object Oriented Programming; Software Engineering; Database Management and Security; GUI of application testing through automation using RFT

**RELEVANT COURSES:** Digital Systems Design, Graphical User Interface, 3D Animation, Computer Networking, Computer Networking II, Operating Systems, Software Requirements

**EXPERIENCE:**

**IBM**, Co-op, Dallas, TX 07/20xx - Present

* Point person for the development of the graphical user interface of a web application to will allow web operators to issue commands to manage resources in a mainframe environment and display XML output dynamically rendered with XSLT (Work in progress)

**IBM**, Co-op, Austin, TX 04/20xx - 07/20xx

* Lead contact for the testing of IBM's Information Management System (IMS) software for versions 7, 8, 9, and future release
* Aided with the testing of IMS Connect versions 2.1, 2.2, 9.1, and future release
* Utilized RFT to automate the testing phase of a new Graphical User Interface (GUI) based tool to be used with Eclipse and IMS

**IBM**, Co-op, Austin, TX 06/20xx - 01/20xx

* Developed and compared DB2 Web Services using Rational Application Developer and Web Services Object Runtime Framework
* Created a small Java application to utilize an XML document to pass/execute DB2 Native XML XQueries to ease the development of Web Services where DB2 acts as the web service provider
* Configured and administered a TWiki departmental website running on Linux SUSE 9.0

**AWARDS:** President’s Scholar Engineering Fellows Scholar

 SMU Distinguished Scholar SMU Mustang Scholars