

# CHANNING PEAR

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## EDUCATION

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<b>2014-present</b>	<b>University of Texas at Austin, B.S. Computer Science</b> Turing Scholar, Computer Science Honors Program Expected graduation: May 2018 Cumulative GPA: 3.65/4.0	<b>Austin, TX</b>
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## WORK EXPERIENCE

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<b>Summer 2015</b>	<b>Bloomberg L.P., Software Engineering Intern</b> Developed premium financial analytics software and visualizations for a \$100M target market using React and D3	<b>New York City, NY</b>
<b>Summer 2014</b>	<b>Beecher Investors, Inc., Software Developer</b> Implemented real-time data grabber with excel integration using Yahoo's YQL databases	<b>Stamford, CT</b>
<b>Summer 2014</b>	<b>National Computer Camp, Counselor- In-Training</b> Taught students various programming languages (C++, Java, Python, x86 Assembly, etc) in a flipped classroom setting	<b>Fairfield, CT</b>
<b>Spring 2014</b>	<b>Bogen Communications, Inc., IT/System Administrator Intern</b> Conceived and designed an automated software deployment system to save the company up to 400 hours per year	<b>Ramsey, NJ</b>
<b>2011-2013</b>	<b>YouTube Channel Founder</b> Virally grew channel to 3,000,000+ views & 10,000+ subscribers through Minecraft redstone inventions	<b>youtube.com/PearSquirrel</b>
<b>2010-2014</b>	<b>Web Developer</b> Created over 10 websites for businesses, non-profits, educational groups and teachers	<b>channingpear.com/portfolio</b>

## SELECTED PROJECTS

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### Web Crawler

Indexes and searches through a set of dynamically-found webpages. Supports compound boolean queries and efficient phrase searching

### Swim Scope

Web app that scrapes an online database for the times of a specified group of swimmers and ranks them in each of their events. Developed using Python, Selenium, Flask, and MongoDB

### Genetic Tetris

Graphical Tetris game with an AI developed and optimized through a genetic algorithm

### Darien High School Website

Features include password protected sections, schedule rotator, calendars, sortable tables, searchable, filterable content

### Chess

Drag-and-drop, graphical chess program. Developed in Java using Swing

## EXTRA-CURRICULARS

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	<b>Coding Competitions</b>
<b>Summer 2015</b>	1st Place at Bloomberg Intern Hackathon by developing a 3D game on a team of three using Unity
<b>Spring 2015</b>	2nd Place at Bloomberg's Coding Competition at UT
<b>2005-present</b>	<b>Trumpet</b> Elected new member representative by the biggest student organization at UT Austin (Longhorn Marching Band) 1st Chair Trumpet and Section Leader (both Jazz and Concert Band) since sophomore year of high school

## SKILLS AND TECHNOLOGY

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**Software Development:** Proficient in Java, Python, JS, C++. Exposure to Objective C, x86 Assembly

**Web Development:** HTML, CSS, JS, React, D3, Flask, PHP, XML, MySQL, MongoDB, WordPress, Selenium

**Productivity:** Git, Vim, LaTeX, Bash

## RELEVANT COURSEWORK

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| <ul style="list-style-type: none"><li>• Honors: Data Structures and Algorithms</li><li>• Honors: Discrete Mathematics for CS</li><li>• Honors: Computer Organization &amp; Architecture</li><li>• Honors: Operating Systems</li></ul> | <ul style="list-style-type: none"><li>• Honors: Vector Calculus</li><li>• Differential Equations</li><li>• Linear Algebra</li><li>• Statistics</li></ul> |
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