

Tyler Andrews

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EXPERIENCE

Realtime Software Engineer

The Boeing Company

June 2018 - Present

Long Beach, CA

- Contributing to full life-cycle development including requirements analysis, software architecture, designs, coding, unit test, integration and formal qualification.
- Documenting software architecture and interface design.
- Concisely explaining and demonstrating software functionality.
- Identifying process improvements and communicating potential points for automation and streamlining to upper management.

Web Development Intern

Chapman University

August 2017 - June 2018

Orange, CA

- Created and maintained .NET web applications for Chapman University's website.
- Contributed to the development of events.chapman.edu, a calendar of Chapman events.
- Accelerated the team's transition from Visual SourceSafe to Team Foundation Server.

Earthquake Forecasting Intern

Chapman University

January 2017 - June 2018

Orange, CA

- Identified and tracked pre-earthquake processes by monitoring changes in the conductivity of the earth's atmosphere.
- Created live, interactive data visualizations of feeds from various sensors on Chapman's campus.
- Modeled and plotted the correlation between sensor anomalies and earthquakes.
- Developed primitive algorithms for earthquake prediction in MATLAB.

System Administration Intern

Penn Medicine, Lancaster General Hospital

May 2016 - September 2016

Lancaster, PA

- Assisted System Administrators by maintaining security of crucial business intelligence reports.
- Wrote and maintained VBA scripts to improve process efficiency.

TECHNICAL SKILLS

- Object Oriented Programming: *C++, Java, Python, C#*
- Agile Development, Continuous Integration: *Bamboo, JIRA, Git, Atlassian toolsuite*
- Scripting: *Python, Bash, VBA*
- Front end web development: *HTML, CSS, JavaScript*
- Data management and visualization: *Excel (VBA), MySQL, R, MATLAB, Tableau*

EDUCATION

B.S. in Computer Science *Minor: Mathematics*

Chapman University

August 2015 - May 2018

Orange, CA

- **Awards and Scholarships:** *Magna cum laude honors, National Merit Scholar, Chancellor's List, Chancellor's Scholarship*