# Tyler Andrews

Long Beach, CA
(562) 896-4250
tylerandrews824@gmail.com

## EXPERIENCE

**Realtime Software Engineer**                                    **June 2018 - Present**
*The Boeing Company*                                                   *Long Beach, CA*

- Contribute to full life-cycle development including requirements analysis, software architecture, designs, coding, unit test, integration and formal qualification.
- Document software architecture and interface design.
- Facilitate coding standard compliance via installation and maintenance of code-analysis tools.
- Concisely explain and demonstrate software functionality and design.

**Web Development Intern**                                    **August 2017 – June 2018**
*Chapman University*                                                        *Orange, CA*

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

**Earthquake Forecasting Intern**                            **January 2017 – June 2018**
*Chapman University*                                                        *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**                            **May 2016 – September 2016**
*Penn Medicine, Lancaster General Hospital*                              *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*
- 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*            **August 2015 – May 2018**
*Chapman University*                                                        *Orange, CA*

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