

Tyler Gearing
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Education

Sonoma State University - Rohnert Park, CA
Bachelor of Science, Computer Science, Graduation: May 2019 2016 - Present

Relevant Coursework: Database Systems Management/Web Framework, Android Framework, Operating Systems, Algorithm Analysis, Theory of Computation

Projects:

[Alexa Skill](#)

- Collaborated with a SCRUM team to develop a deliverable Alexa Skill that allowed users to access the university calendar using simple voice commands
- Built with: Java, JSON, Python, PostGre SQL, and AWS

[Simple Proxy Server](#)

- Developed a simple forking web proxy for the command line
- Built with: C and a combination of Kyua and ATF for the testing framework

[Karatsuba's Algorithm](#)

- Developed an application that uses Karatsuba's to handle large integer operations
- Used the C++ string type to handle integer overflow

Relevant Work Experience

Sonoma State University - Student Assistant for Web 2017 - Present
Website and content manager for the Center for Community Engagement

- Oversaw transfer of all website content to Drupal CMS
- Worked with University web developers to improve UX/UI for new site

Go-Ty Designs - Owner/Designer 2015 - 2017
Design for marketing, brand development, and brand enhancement

- Collaborated with executive teams to redesign slides for sales presentations
- Designed creative for print and digital ads in both B2B and nonprofit space
- Lead design for UX/UI redesign of client portal for ad agency
- Created logo and branding for a local alternative rock band

Technology Summary

- Languages: C, C++
- Languages in training: Python, Java, MySQL, Haskell, GO, Swift
- Design tools: Adobe Illustrator, Photoshop, After Effects, and InDesign
- Design tools in training: GIMP, Corel, Adobe Dimension
- Systems: Windows, Linux/Unix, Mac OS X