

Nathan Chancellor

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Summary

- Working towards B.S. in Computer Science
- Enjoy working on mobile device operating systems and the Linux kernel, using C, Java, makefiles, and bash
- Demonstrated success in positions requiring communication, teamwork, and customer focus

Experience

Test Automation Intern

SAP SE, Tempe, AZ

July 2017-July 2018

- Developed Visual Basic for Applications scripts to test certain software based on test cases written by quality engineer, helping save the company time and money
- Responsible for creating and maintaining Jenkins builds to run the scripts at periodic intervals, improving issue resolution time
- Created bug reports based on defects discovered during testing, providing clear and concise reproduction steps to improve software quality
- Collaborated with developers and quality engineer to optimize testing strategy based on quality criteria
- Worked in an Agile development environment, participating in scrum meetings daily to provide updates on progress
- Presented automation process and demonstration to ASU capstone students, receiving praise from automation and quality leaders

Technical Advisor

Apple, Inc., Mesa, AZ

June 2014-March 2017

- Solved a wide variety of technical problems for Apple customers with iOS (iPhone, iPod, iPad and iTunes) and CPU (MacBook Pro, MacBook Air, and iMac) products in a real-time environment
- Earned high marks for customer satisfaction (95% overall satisfaction and 90% issue resolution)
- Developed skills in listening and asking questions to quickly resolve customer problems
- Continuously improved metrics and efficiency following management feedback

Open source contributions

- Work on the Linux kernel in a few capacities:
 - Pushed [various patches](#) to mainline, responding to feedback and criticism appropriately, resulting in most patches being [accepted](#) by the maintainers of the respective subsystems.
 - Contributed to [ClangBuiltLinux](#), an organization dedicated to getting the Linux kernel properly compiling with Clang, [taking ownership of warnings/bugs](#), [creating a toolchain build script for consistent testing](#), and [helping with the continuous integration setup](#).
 - Pushed [various patches](#) to Google, fixing issues in the common Android and the Pixel 2 (XL) kernels.
 - Maintained [a set of kernel repos](#) with linux-stable merged into them for amateur developers to use, writing [a bash script](#) to facilitate automatic merge and build testing for quality assurance. Doing this helped catch a merge issue upstream ([discussion](#) and [fix](#)).
 - Helped test the linux-stable release candidates, catching a couple of issues before they are released.
 - [Re: \[PATCH 4.4 106/124\] netlink: Do not subscribe to non-existent groups](#)
 - [Re: \[GIT PULL\] commits for Linux 4.4](#)
 - [Received a OnePlus 6](#) to create a custom kernel for users to install and use.

Technical Skills

- Proficient in C, bash scripting, and Python. Some experience with C++, Java, .NET, C#, and Swift.
- Use git for version control on all projects with some experience in Mercurial and SVN.
- Started working on websites in 7th grade, employing HTML, CSS, and PHP on Apache servers.

Education

B.S. Computer Science Arizona State University, Tempe, AZ 2013-2021 (Expected)

- Manage a rigorous schedule of honors, computer science, and general education courses
- GPA of 2.89 after 94 credits including 15 honors credits while working 20 hours/week
- Dean's List in College of Engineering for 2013/2014

Diploma Scottsdale Preparatory Academy, Scottsdale, AZ 2009-2013

- Excelled in an all-honors, liberal arts curriculum that included 2 years of Physics and Calculus, 4 years of Latin, and 1 year of Greek, with an overall GPA of 3.6
- Earned the Virtus ("Gumption, heart") Award by selection of the faculty in 2009
- Wrote a 15 page thesis and defended to a panel of three faculty
- Engaged great works of Western literature, such as Homer, Dante, and Shakespeare, through conversation with faculty and students.