

PROFESSIONAL SUMMARY

- ✦ MS in computer engineering, UTK.
- ✦ Former lead test engineer and late firmware engineer on Eaton's EV-EMCB.
- ✦ Programmed and co-authored all instrumentation and documentation for TVA's \$450 million Boone Dam Repair project.
- ✦ 2.5+ total years of engineering experience.

ELLIAS PALCU

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865-724-3444

Knoxville, TN

EXPERIENCE

INSTRUMENT ENGINEER, TVA; KNOXVILLE, TN

NOV 2017-PRESENT

- ✦ Software specialist in group responsible for developing and maintaining control and embedded software for ANS siren systems across TVA.
- ✦ Administrator and initiator of version control for TVA's IES group.

EMBEDDED SOFTWARE ENGINEER, EATON; KNOXVILLE, TN

SEP 2016-NOV 2017

- ✦ Lead test engineer and late firmware engineer on Eaton's EV-EMCB.
- ✦ Inherited EV-EMCB at passing 16% (false-positive), and revived project to production at ~99% passing.
- ✦ Member of group that developed the energy management circuit breaker (EMCB).

PROGRAM ADMINISTRATOR, JSG; KNOXVILLE, TN

NOV 2015-SEP 2016

- ✦ Programmed and co-authored all instrumentation and documentation for TVA's \$450 million Boone Dam Repair project.
- ✦ Lead engineer in TVA's \$300,000 initiative in reprogramming all instrumentation across the Tennessee Valley.

SULI COMPUTATIONAL SCIENTIST, ORNL; OAKRIDGE, TN

JUN 2015-AUG 2015

- ✦ Performed failure prediction analysis on the Titan Supercomputer. utilizing data mining and machine learning techniques.

LANGUAGES/APP DEV

C/C++



Python



JavaScript/Jquery



HTML/CSS



SQL



Flask/Bootstrap



NoSQL



Squirrel



SKILLS



EDUCATION

✦ 01/2017 - 12/2017

MS, Computer Engineering — 3.94 GPA

University of Tennessee, Knoxville

✦ 08/2012 - 12/2016

BS, Computer Engineering — 3.45 GPA

University of Tennessee, Knoxville